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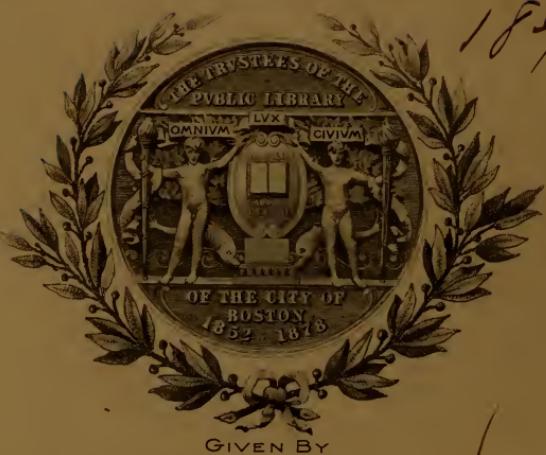
ANNUAL REPORT  
OF THE  
PUBLIC BUILDINGS DEPARTMENT



1897.

No 6358. 1/3

1897.



GIVEN BY

Boston, Public Buildings Dept.





ANNUAL REPORT  
OF THE  
PUBLIC BUILDINGS DEPARTMENT

FOR THE

YEAR 1897.



BOSTON:  
MUNICIPAL PRINTING OFFICE.  
1898.

Boston Public Buildings Dept.,  
July 22 - 1912.



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NOTICE TO THE

OFFICE OF THE SUPERINTENDENT OF PUBLIC BUILDINGS,  
OLD COURT HOUSE, ROOM 30,  
BOSTON, February 1, 1898.

HON. JOSIAH QUINCY,

*Mayor of the City of Boston :*

SIR: In compliance with the ordinance relating to the Public Buildings Department, I have the honor to submit the following, which is the annual report of the Superintendent of Public Buildings:

The public buildings in charge of this department, belonging to the city of Boston, number 125, together with 2 leased buildings and 35 rooms in different buildings, variously occupied for city purposes. The City Hall is occupied entirely by the various departments and offices of the city.

The Fire Department requires for its service the use of 63 buildings, occupied as follows:

|                             |                        |
|-----------------------------|------------------------|
| 41 Engine houses.           | 8 Ladder-truck houses. |
| 6 Chemical-engine houses.   | 1 Repair-shop.         |
| 2 Combination wagon-houses. | 3 Fuel-houses.         |
| 1 Hose-house.               | 1 Headquarters.        |

The buildings in use by the Police Department number 20, 12 of which are in use for police station-houses and 3 for lock-ups; the remaining police stations, which number 5, are in other city buildings.

This department also has charge of the City Hall (Charlestown District), Faneuil Hall and Faneuil-Hall Mar-

ket-house, Charity Bureau, Old State House, and stables of the Department of Sanitary Police.

Estates numbered 37 Pemberton square, rooms in Exchange building, State street, Tremont building, and Historical building, were occupied for city offices.

The amount expended the past year for rents and taxes for outside property has been \$19,255.16.

The public buildings occupy 1,342,929 square feet of land.

The school-houses owned by the city number 199, occupying 3,969,438 square feet of land.

In addition, 38 buildings were leased for school purposes at a rental of \$25,815.62, and contained 68 school-rooms.

The Court House and County Jail are used for county purposes alone.

The Municipal District Courts number seven, and occupy rooms in city buildings in various sections of the city.

The county buildings cover 232,165 square feet of land.

The expenditure for repairs, alterations, improvements, heating, furnishing, care and cleaning, have been as follows :

Public buildings :

|  |           |             |
|--|-----------|-------------|
| Public buildings . . . . .                         | \$139,930 | 02          |
| Electrical Construction Division . . . . .         | 105,466   | 68          |
| Armories . . . . .                                 | 17,813    | 39          |
| Architect's Division . . . . .                     | 8,902     | 68          |
| Ward-rooms . . . . .                               | 6,850     | 92          |
| Repairs Division . . . . .                         | 2,596     | 70          |
|  | —————     | \$281,560   |
| County buildings . . . . .                         | 33,657    | 77          |
| School-houses, public buildings . . . . .          | 229,941   | 27          |
| Public buildings, special appropriations . . . . . | 75,196    | 64          |
| School-houses, special appropriations . . . . .    | 302,866   | 97          |
| Payments by Architect's Division . . . . .         | 95,167    | 16          |
|  | —————     | \$1,018,390 |
| Total expenditures by department,                  |           | 20          |

These expenditures in detail are as follows:

PUBLIC BUILDINGS.

|  |          |    |
|--|----------|----|
| Rents and taxes . . . . .                | \$19,255 | 16 |
| Carpentry, lumber and hardware . . . . . | 10,746   | 13 |
| <i>Carried forward</i> . . . . .         | \$30,001 | 29 |

|  |   |   |   |   |           |    |
|--|---|---|---|---|-----------|----|
| <i>Brought forward</i>   | . | . | . | . | \$30,001  | 29 |
| Salaries   | . | . | . | . | 18,088    | 00 |
| Masonry, paving and drains   | . | . | . | . | 2,761     | 26 |
| Painting and glazing   | . | . | . | . | 7,423     | 02 |
| Whitening and plastering   | . | . | . | . | 135       | 07 |
| Janitor's care and cleaning  | . | . | . | . | 22,474    | 07 |
| Plumbing   | . | . | . | . | 6,359     | 31 |
| Gas and electric light fixtures  | . | . | . | . | 385       | 24 |
| Gas  | . | . | . | . | 1,527     | 58 |
| Electric lighting  | . | . | . | . | 12,305    | 30 |
| Heating and ventilation  | . | . | . | . | 4,297     | 57 |
| Fuel   | . | . | . | . | 4,543     | 40 |
| Furniture  | . | . | . | . | 8,763     | 13 |
| Roofing, gutters and conductors  | . | . | . | . | 2,157     | 58 |
| Bells, locks and teaming   | . | . | . | . | 1,486     | 18 |
| Iron and wire-work   | . | . | . | . | 801       | 08 |
| Water and ice  | . | . | . | . | 2,897     | 10 |
| Board and shoeing of horse, car, and ferry<br>tickets, etc.                    | . | . | . | . | 692       | 41 |
| Advertising, printing, stationery, postage,<br>messenger service and telephone | . | . | . | . | 1,485     | 28 |
| Auxiliary fire-alarm boxes, rental and repairs<br>of                           | . | . | . | . | 418       | 95 |
| Awnings, new, and putting up and taking<br>down                                | . | . | . | . | 568       | 07 |
| Supplies   | . | . | . | . | 2,533     | 16 |
| New safe   | . | . | . | . | 322       | 00 |
| Tablets  | . | . | . | . | 125       | 00 |
| Elevator, repairs of   | . | . | . | . | 438       | 55 |
| Stair-treads   | . | . | . | . | 1,143     | 00 |
| Plans  | . | . | . | . | 2,500     | 00 |
| City scales, pounds, etc.  | . | . | . | . | 169       | 92 |
| Store-house labor  | . | . | . | . | 3,127     | 50 |
|  |   |   |   |   | <hr/>     |    |
|  |   |   |   |   | \$139,930 | 02 |

*Detail of Expenditures.*

Repairs on :

|                      |   |   |   |   |          |    |
|----------------------|---|---|---|---|----------|----|
| City Hall            | . | . | . | . | \$17,783 | 40 |
| Old Court House      | . | . | . | . | 5,949    | 07 |
| Old Probate building | . | . | . | . | 4,928    | 79 |
| Old State House      | . | . | . | . | 3,854    | 43 |
| Historical building  | . | . | . | . | 4,444    | 26 |

|                        |   |   |   |   |          |    |
|------------------------|---|---|---|---|----------|----|
| <i>Carried forward</i> | . | . | . | . | \$36,959 | 95 |
|------------------------|---|---|---|---|----------|----|

|   |           |              |
|---|-----------|--------------|
| <i>Brought forward</i>  | . . . . . | \$36,959 95  |
| Overseers of the Poor:  |           |              |
| Charity Bureau, Wayfarers' Lodge, and<br>City Temporary Home  | . . . . . | 4,491 84     |
| Markets:  |           |              |
| Faneuil Hall and Quincy   | . . . . . | 3,713 15     |
| Storehouse, Plimpton street   | . . . . . | 3,139 10     |
| Board of Police:  |           |              |
| Headquarters, Pemberton square  | . . . . . | 89 25        |
| Fire Department:  |           |              |
| Headquarters, repair shop and engine-<br>houses   | . . . . . | 495 99       |
| Outside offices at printing plant, No. 73 Tre-<br>mont street and 994 Washington street   | . . . . . | 1,471 81     |
| Public Buildings. Miscellaneous:  |           |              |
| City Hall, Charlestown; Curtis Hall, Ja-<br>maica Plain; Pound, East Boston; Store-<br>house, Wareham street; House, 94<br>Roxbury street; Old Town Hall, Dor-<br>chester, and Old Smith Street school-<br>house                  | . . . . . | 1,362 79     |
| Fuel furnished at the following buildings:  |           |              |
| City Hall, Old Court House, City Hall,<br>Charlestown; Curtis Hall, Building, 12<br>and 14 Beacon street, Faneuil Hall, Old<br>State House, and 37 Pemberton square   | . . . . . | 4,543 40     |
| Rents and taxes:  |           |              |
| 37 Pemberton square, 994 Washington<br>street, Exchange building, Lock-up,<br>Mattapan, and parts of buildings 32 and<br>73 Tremont street  | . . . . . | 19,255 16    |
| Janitors, engineers and cleaning:   |           |              |
| Ci y Hall, Boston; City Hall, Charlestown;<br>Old State House, 37 Pemberton square;<br>Old Court House, Faneuil Hall, Curtis<br>Hall, Milk Inspector, Old Probate Build-<br>ing, Exchange building, 32 and 73 Tre-<br>mont street | . . . . . | 22,474 07    |
| Salaries  | . . . . . | 18,088 00    |
| Water and ice:  |           |              |
| City Hall, Old City Hall, Charlestown;<br>Old Court House, Old Probate building,<br>Faneuil Hall, Milk Inspector and Old<br>State House   | . . . . . | 2,897 10     |
| <i>Carried forward</i>  | . . . . . | \$118,981 61 |

## PUBLIC BUILDINGS DEPARTMENT.

5

*Brought forward . . . . . \$118,981 61*

## Gas:

City Hall, Old City Hall, Charlestown;  
Old Court House, Old Probate building,  
Faneuil Hall, Milk Inspector and Old  
State House . . . . . 1,527 58

## Electric lighting:

City Hall, Old Probate building, Old  
Court House, and 32 and 73 Tremont  
street . . . . . 12,305 30  
Supplies for janitors . . . . . 2,533 16  
Board and shoeing of horse, car and ferry  
tickets . . . . . 692 41  
Teaming, miscellaneous and office supplies . . . . . 3,889 96

Total . . . . . \$139,930 02

## WARD-ROOMS.

|   |                   |
|---|-------------------|
| Rents . . . . .                                       | \$3,995 80        |
| Janitors . . . . .                                    | 512 25            |
| Carpenter-work . . . . .                              | 848 32            |
| Heating and lighting . . . . .                        | 505 57            |
| Plumbing, painting and masonry . . . . .              | 464 88            |
| Teaming, supplies, printing, stationery, etc. . . . . | 196 25            |
| Water-rates . . . . .                                 | 70 00             |
| Gas and electric-light fixtures . . . . .             | 101 70            |
| Furniture . . . . .                                   | 69 75             |
| Heating apparatus . . . . .                           | 86 40             |
|   | <u>\$6,850 92</u> |

*Detail of Expenditures.*

|                       |        |
|-----------------------|--------|
| Ward-room 1 . . . . . | \$8 11 |
| " 2 . . . . .         | 64 67  |
| " 3 . . . . .         | 91 37  |
| " 4 . . . . .         | 8 00   |
| " 5 . . . . .         | 24 63  |
| " 6 . . . . .         | 29 50  |
| " 7 . . . . .         | 51 25  |
| " 8 . . . . .         | 15 50  |
| " 9 . . . . .         | 431 79 |
| " 10 . . . . .        | 4 70   |
| " 11 . . . . .        | 462 32 |
| " 12 . . . . .        | 7 50   |
| " 13 . . . . .        | 568 05 |
| " 14 . . . . .        | 450 00 |

*Carried forward . . . . . \$2,217 39*

|                        |    |   |   |   |   |         |    |
|------------------------|----|---|---|---|---|---------|----|
| <i>Brought forward</i> | .  | . | . | . | . | \$2,217 | 39 |
| Ward-room              | 15 | . | . | . | . | 58      | 00 |
| "                      | 16 | . | . | . | . | 525     | 00 |
| "                      | 17 | . | . | . | . | 239     | 27 |
| "                      | 18 | . | . | . | . | 783     | 53 |
| "                      | 19 | . | . | . | . | 180     | 97 |
| "                      | 20 | . | . | . | . | 181     | 54 |
| "                      | 21 | . | . | . | . | 500     | 00 |
| "                      | 22 | . | . | . | . | 735     | 07 |
| "                      | 23 | . | . | . | . | 500     | 75 |
| "                      | 24 | . | . | . | . | 842     | 40 |
| "                      | 25 | . | . | . | . | 44      | 79 |
| Printing               | .  | . | . | . | . | 10      | 08 |
| New voting-lists       | .  | . | . | . | . | 10      | 00 |
| New keys               | .  | . | . | . | . | 11      | 17 |
| Supplies, etc.         | .  | . | . | . | . | 10      | 96 |
|                        |    |   |   |   |   |         |    |
|                        |    |   |   |   |   | \$6,850 | 92 |

## ARMORIES.

|   |             |
|---|-------------|
| Rents and taxes . . . . .                       | \$9,560 00  |
| Heating-apparatus, gas-fitting and plumbing . . | 191 06      |
| Furniture and furnishings . . . . .             | 50 00       |
| Fuel . . . . .                                  | 1,695 21    |
| Gas and electric lighting . . . . .             | 862 95      |
| Water-rates . . . . .                           | 181 30      |
| Carpentry, locks and bell . . . . .             | 599 83      |
| Rifle practice . . . . .                        | 3,822 25    |
| Roofing . . . . .                               | 214 85      |
| Painting . . . . .                              | 583 64      |
| Advertising and supplies . . . . .              | 22 30       |
| Janitor . . . . .                               | 30 00       |
|   | <hr/>       |
|   | \$17,813 39 |

### *Detailed Statement.*

## Rents;

Headquarters First Brigade, 19 Milk street; headquarters Second Brigade, 37 Tremont street; Company A, Fifth Regiment, Congress Hall, Charlestown; Company L, Sixth Regiment, 7 Green street; Company D, First Battalion of Cavalry, Bacon's Hall; Companies A, B, C and D, First Corps of Cadets, 130 Columbus avenue.

\$9,560 00

*Carried forward* . . . . .

**\$9,560 00**

|   |           |             |
|---|-----------|-------------|
| <i>Brought forward</i>  | . . . . . | \$9,560 00  |
| Rifle practice. Includes rent of rifle range and transportation:  |           |             |
| By First Corps Cadets, Naval Brigade, Cavalry Companies A and D, Fifth Regiment, Companies A and H, Ninth Regiment, Companies A, B, C, D, E and I, Signal Corps, First Brigade; Signal Corps, Second Brigade; First Brigade Staff, Sixth Regiment, Company L, and First Regiment, Companies A, C, D, G, K and L | . . . . . | 3,822 25    |
| Water-rates:  |           |             |
| First Corps Cadets, Company D, Ninth Regiment; Company A, Fifth Regiment; Company D, First Battalion of Cavalry   | . . . . . | 181 30      |
| Fuel:   |           |             |
| Armories of First Corps Cadets, Company L, Sixth Regiment; Company D, Ninth Regiment; Company D, First Battalion of Cavalry; Company A, Fifth Regiment, and headquarters of First Brigade   | . . . . . | 1,695 21    |
| Gas:  |           |             |
| Armories of First Corps Cadets, Company L, Sixth Regiment; Company D, Ninth Regiment; Company A and Company D, First Battalion of Cavalry; Company A, Fifth Regiment, and headquarters of First Brigade   | . . . . . | 854 05      |
| Repairs for the following companies:  |           |             |
| Company A, First Battalion of Cavalry   | . . . . . | 109 53      |
| “ D, Ninth Regiment   | . . . . . | 322 60      |
| “ A, Fifth “  | . . . . . | 968 25      |
| “ H, “  | . . . . . | 5 18        |
| Headquarters of First and Second Brigades   | . . . . . | 21 22       |
| Battery A   | . . . . . | 55 71       |
| Ancient and Honorable Artillery Company   | . . . . . | 156 89      |
| Supplies, etc.  | . . . . . | 61 20       |
|   |           | <hr/>       |
|   |           | \$17,813 39 |

## PUBLIC BUILDINGS REPAIRS DIVISION.

|   |           |          |
|---|-----------|----------|
| Pay-roll, janitor, messenger and carpenters | . . . . . | \$152 75 |
| Iron work                                   | . . . . . | 76 27    |
| <i>Carried forward</i>                      | . . . . . | \$229 02 |

|                        |   |   |   |   |   |            |
|------------------------|---|---|---|---|---|------------|
| <i>Brought forward</i> | . | . | . | . | . | \$229 02   |
| Lumber                 | . | . | . | . | . | 615 71     |
| Rope                   | . | . | . | . | . | 21 43      |
| Stationery             | . | . | . | . | . | 7 54       |
| Car tickets            | . | . | . | . | . | 50 00      |
| Machinery and tools    | . | . | . | . | . | 1,665 83   |
| Plumbing               | . | . | . | . | . | 7 17       |
|                        |   |   |   |   |   | <hr/>      |
|                        |   |   |   |   |   | \$2,596 70 |

## ARCHITECT'S DIVISION, OFFICE EXPENSES.

|   |   |   |   |   |   |            |
|---|---|---|---|---|---|------------|
| Salaries  | . | . | . | . | . | \$7,613 05 |
| Typewriting   | . | . | . | . | . | 77 70      |
| Board and shoeing of horse, repairs of carriage, etc. | . | . | . | . | . | 721 49     |
| Printing, stationery, postage and blue prints         | . | . | . | . | . | 156 55     |
| Telephone   | . | . | . | . | . | 162 95     |
| Car fares   | . | . | . | . | . | 75 00      |
| Drawing materials                                     | . | . | . | . | . | 95 94      |
|   |   |   |   |   |   | <hr/>      |
|   |   |   |   |   |   | \$8,902 68 |

## COUNTY BUILDINGS.

|                               |   |   |   |   |   |             |
|-------------------------------|---|---|---|---|---|-------------|
| Janitors' care, cleaning      | . | . | . | . | . | \$3,959 88  |
| Furniture and furnishings     | . | . | . | . | . | 1,950 27    |
| Electric light                | . | . | . | . | . | 6,299 29    |
| Fuel                          | . | . | . | . | . | 5,298 43    |
| Gas                           | . | . | . | . | . | 909 90      |
| Carpentry                     | . | . | . | . | . | 2,088 99    |
| Heating apparatus             | . | . | . | . | . | 1,607 00    |
| Printing                      | . | . | . | . | . | 35 35       |
| Teaming and supplies          | . | . | . | . | . | 1,046 00    |
| Elevator repairs              | . | . | . | . | . | 129 40      |
| Painting and glazing          | . | . | . | . | . | 590 65      |
| Care of lawns                 | . | . | . | . | . | 618 49      |
| Masonry and paving            | . | . | . | . | . | 1,240 16    |
| Roofing, iron and wire-work   | . | . | . | . | . | 412 54      |
| Gas and electric fixtures     | . | . | . | . | . | 926 81      |
| Locks and keys                | . | . | . | . | . | 123 65      |
| Water and ice                 | . | . | . | . | . | 1,688 60    |
| Telephone system, Court House | . | . | . | . | . | 990 00      |
| Plumbing                      | . | . | . | . | . | 3,742 36    |
|                               |   |   |   |   |   | <hr/>       |
|                               |   |   |   |   |   | \$33,657 77 |

*Detail Statement.*

|                                    |          |    |
|------------------------------------|----------|----|
| Court House . . . . .              | \$23,222 | 87 |
| Municipal Court, Roxbury : . . . . | 1,725    | 88 |
| "    " Dorchester . . . .          | 921      | 23 |
| "    " Charlestown . . . .         | 987      | 63 |
| "    " East Boston . . . .         | 1,158    | 44 |
| "    " South Boston . . . .        | 1,628    | 55 |
| "    " Jamaica Plain . . . .       | 454      | 95 |
| "    " Brighton . . . .            | 945      | 89 |
| County Jail . . . . .              | 2,235    | 23 |
| Supplies . . . . .                 | 377      | 10 |
|                                    |          |    |
|                                    | \$33,657 | 77 |

## SCHOOL-HOUSES, PUBLIC BUILDINGS.

|  |           |    |
|--|-----------|----|
| Furniture . . . . .                            | \$49,371  | 07 |
| Carpentry, lumber and hardware . . . .         | 34,981    | 33 |
| Heating apparatus . . . . .                    | 29,711    | 36 |
| Ventilation . . . . .                          | 10,483    | 31 |
| Masonry, paving, drains, etc. . . .            | 12,075    | 09 |
| Rents:   |           |    |
| High School, military drill . . .              | \$450     | 00 |
| Grammar Schools . . . .                        | 4,112     | 50 |
| Primary Schools . . . .                        | 12,965    | 45 |
| Evening Drawing Schools . . .                  | 1,156     | 00 |
| Kindergartens . . . .                          | 4,931     | 67 |
| Manual Training . . . .                        | 2,200     | 00 |
|  |           |    |
| 25,815   | 62        |    |
| Painting and glazing . . . . .                 | 14,766    | 83 |
| Whitening and plastering . . . . .             | 3,754     | 90 |
| Blackboards . . . . .                          | 3,352     | 59 |
| Locks, keys and electric bells . . . .         | 2,399     | 18 |
| Roofing, gutters and conductors . . . .        | 5,485     | 93 |
| Iron and wire-work . . . . .                   | 2,250     | 84 |
| Fire-escapes . . . . .                         | 229       | 50 |
| Sash-elevators . . . . .                       | 352       | 97 |
| Plumbing . . . . .                             | 11,114    | 51 |
| Gas-fitting and electric-light fixtures . .    | 5,205     | 31 |
| Teaming . . . . .                              | 1,178     | 00 |
| Cleaning buildings and supplies . . . .        | 629       | 94 |
| Horseshoeing, board of horses, repairs of car- |           |    |
| riages and harnesses . . . . .                 | 909       | 41 |
| Salaries . . . . .                             | 5,697     | 50 |
| Printing, stationery and postage . . . .       | 333       | 79 |
| Rent and care of auxiliary fire-alarm boxes .  | 3,156     | 64 |
|  |           |    |
| Carried forward . . . . .                      | \$223,255 | 62 |

|                                   |   |   |   |   |           |    |
|-----------------------------------|---|---|---|---|-----------|----|
| <i>Brought forward</i>            | . | . | . | . | \$223,255 | 62 |
| Cleaning vaults                   | . | . | . | . | 1,482     | 00 |
| Flag-staffs, new, and care of old | . | . | . | . | 855       | 86 |
| Disinfectants                     | . | . | . | . | 1,432     | 00 |
| Tablets                           | . | . | . | . | 353       | 25 |
| Fire-extinguishers and fire hose  | . | . | . | . | 759       | 45 |
| Care of lawns                     | . | . | . | . | 566       | 01 |
| Water-rates                       | . | . | . | . | 82        | 20 |
| Water-filter                      | . | . | . | . | 298       | 50 |
| Electric motors and engines       | . | . | . | . | 797       | 28 |
| Awnings and messenger service     | . | . | . | . | 59        | 10 |
| Total for repairs, etc.           | . | . | . | . | \$229,941 | 27 |

*Detailed Statement.*

|                               |   |   |   |   |           |    |
|-------------------------------|---|---|---|---|-----------|----|
| Grammar schools               | . | . | . | . | \$86,632  | 62 |
| Primary schools               | . | . | . | . | 70,554    | 90 |
| High schools                  | . | . | . | . | 28,093    | 14 |
| Horace Mann School            | . | . | . | . | 1,583     | 71 |
| Evening Elementary Schools    | . | . | . | . | 230       | 09 |
| Evening Drawing School        | . | . | . | . | 2,870     | 54 |
| Kindergarten Schools          | . | . | . | . | 8,212     | 77 |
| Manual Training Schools       | . | . | . | . | 13,600    | 37 |
| School Committee Building     | . | . | . | . | 2,817     | 22 |
| Not chargeable to any schools | . | . | . | . | 15,345    | 91 |
|                               |   |   |   |   | \$229,941 | 27 |

SPECIAL APPROPRIATIONS, PUBLIC BUILDINGS  
DEPARTMENT.

The following amounts on special appropriations on Public Buildings have been expended:

|  |   |   |   |          |    |
|--|---|---|---|----------|----|
| Fire-proofing dome, etc., City Hall                              | . | . | . | \$22,918 | 41 |
| Improvements in Council Chamber and chamber of Board of Aldermen | . | . | . | 271      | 54 |
| Reconstruction, etc., basement of Old Court House                | . | . | . | 229      | 76 |
| Ward-room, Ward 20   | . | . | . | 200      | 00 |
| " " " 19   | . | . | . | 5,000    | 00 |
| " " " 17   | . | . | . | 6,200    | 88 |
| " " " 7  | . | . | . | 5,327    | 91 |
| Old town hall, Brighton, reconstruction                          | . | . | . | 1,500    | 00 |
| Public bath-house  | . | . | . | 33,548   | 14 |
|  |   |   |   | \$75,196 | 64 |

## ARCHITECTURAL DIVISION,

BOSTON, February 1, 1898.

Col. FRED. B. BOGAN,

*Supt. of Public Buildings, Boston:*

DEAR SIR: All of the buildings under contract and in process of erection at the time of the abolition of the Architect Department, July 1, 1895, have been completed with the exception of the Surgical Building, City Hospital. On this construction there have been numerous tedious delays but it is hoped that by April 1, next, the work will be completed and the building used for hospital purposes.

During the past year, this division has performed the following architectural work for different departments of the city, most of which has been completed or will be within a very short time:

|   |              |
|---|--------------|
| Alterations, piping, boiler-house, City Hospital . . . . .    | \$5,654 99   |
| Alterations, Cudworth School, East Boston . . . . .           | 911 23       |
| Alterations, tender's house, Essex street, Brighton . . . . . | 500 00       |
| Alterations, Water Board stable, Albany street, . . . . .     | 10,746 54    |
| Alterations, water tower, East Boston . . . . .               | 1,393 33     |
| Alterations, dome, etc., City Hall . . . . .                  | 30,421 95    |
| Alterations, steam mains, Boston City Hospital . . . . .      | 1,222 00     |
| Alterations, ward-room, Ward 19 . . . . .                     | 5,000 00     |
| Alterations, ward-room, Ward 17 . . . . .                     | 6,200 88     |
| Alterations, ward-room, Ward 7 . . . . .                      | 5,327 91     |
| Alterations, plumbing, Charity Building . . . . .             | 4,150 00     |
| Alterations, boiler-setting, Parental School . . . . .        | 2,920 00     |
| Design for coal-pocket, City Hospital . . . . .               | 25,338 00    |
| Design for sanitary, Chestnut Hill . . . . .                  | 1,348 00     |
| Design for band-stand, North End Park . . . . .               | 500 00       |
| Grading, Stoughton District, Grammar School, . . . . .        | 2,090 00     |
| Painting, City Hall corridors . . . . .                       | 1,957 00     |
| Total . . . . .   | \$105,681 83 |

As most of the above work is in the nature of alterations and as this work is charged for at the rate of 10 per cent. on total cost of the work, the saving to the city on account of architectural commissions would be approximately \$10,000.

For the different departments of the city of Boston there has been performed the following work:

*City Messenger Department.*—Plans were furnished for  
movable iron band-stand and also for movable iron review-

ing-stand, to be erected on certain occasions in front of City Hall yard.

*Cemetery Department.* — Plans and specifications and perspective drawing were furnished at the request of the chairman of this department for a gate lodge, chapel, etc., to be erected at Mt. Hope Cemetery. Estimates of costs were also furnished.

*Engineering Department.* — On account of property being damaged, through change in grade of Gold street, South Boston, this division was asked to make an examination of the damaged properties, and furnish estimates for repairs to the same.

*Health Department.* — Complete drawings and specifications have been furnished the Board of Health for the alteration of the morgue building, North Grove street, and estimates have been furnished for the work.

*Hospital Department.* — This division is still superintending the completion of the Surgical Building, which will be finished in a short time.

This division has been consulted repeatedly by the Trustees on matters pertaining to the heating and ventilating of the old buildings, and on minor architectural matters, and drawings have been furnished and the same followed.

At present the office is engaged in laying-out and furnishing working drawings for the proper heating and ventilating of the new Laundry Building and the new Nurses' Home.

This work alone will result in a saving to the city of approximately \$2,000.

*Institutions Department.* — A complete set of plans and specifications were furnished the commissioner for the construction of boiler-house and chimney at Deer Island. The work was performed by inmates.

Various drawings have been furnished relative to changes intending to be made on different buildings under the charge of this department.

Different schemes have been worked up for the Trustees for Children, showing arrangements for new dormitory building.

*Park Department.* — A sheepfold was designed, to be erected at Franklin Park, and a complete set of drawings and specifications furnished. An approximate cost of this structure was \$12,000.

This office has been consulted by the Secretary of this Board at various times, on matters pertaining to buildings.

Estimates have been furnished them for the cost of different buildings to be erected at Franklin Park.

Drawings have also been furnished them, showing possible enlargement of bathing-closet space at Marine Park, South Boston.

*Public Buildings Department.*—The drawings for the usage of the Massachusetts Historical Society building as an office building for city offices were practically completed by this division, and the system of heating and ventilating the same were worked out.

Drawings have been made, showing practicability of utilizing Old Court House as a part of City Hall.

Various plans have been drawn, showing different arrangements of offices in Old Court House.

When it was contemplated some months ago to put the old Faneuil Hall building in proper repair, this office carefully measured and worked out complete drawings of this building, and a proper system of heating and ventilating and refrigerating for the market part were designed. This old structure had never been measured before, and, as no plans could be found anywhere, this work in itself will prove valuable. The estimated cost of the alterations was in the neighborhood of \$124,296. The architectural commission alone on the perfecting of drawings, etc., would be about two per cent., or \$2,485.

*Public Grounds Department.*—Estimates have been furnished by this division for the cost of beautifying Copley square.

*Street Department.*—Plans and specifications, together with estimate for the erection of veterinary hospital at South Yards, has been furnished to the Superintendent. The plans also met with the approval of their veterinary surgeon.

A complete set of plans and specifications have also been furnished the Superintendent for the alterations of the stable and buildings in the Child-street yard, Jamaica Plain.

Plans were also furnished for alteration of stable at West City yard, and the work was done under the direction of the Street Department. The same is also true of plans furnished for the construction of an office building at the Charlestown yard.

All the preliminary studies for new ferry head-house for South Ferry, East Boston side, were worked out by this office and submitted to the Superintendent of Ferries.

This division has also been consulted by the different deputies of the Street Department on architectural matters.

*Water Department.*—Complete plans and specifications were furnished the Water Commissioner for the construction of an office building at Ashland, Mass. Estimates of cost were also sent to him.

The above department was also advised of the necessary alterations in the Mt. Bellevue water-tower and plans furnished.

On other subjects the Water Commissioner has sought this office for advice.

This division has also been asked, both by His Honor the Mayor and by the different heads of department, to investigate and report on certain matters, among which may be mentioned :

- Condition of engines, boilers, etc., printing plant.
- Condition of entire Street Department buildings.
- Condition of plumbing and heating, Marcella-street Home.
- Condition of plumbing, Charity Building.
- Condition of garbage plant, Gibson street, Dorchester.
- Condition of dredging plant, Whitehall pond.
- Condition of heating apparatus, R. G. Shaw School.
- Condition of heating apparatus, S. M. Weld School.
- Condition of heating apparatus, Hugh O'Brien School.
- Condition of heating apparatus, Hyde School.
- Condition of heating apparatus, Martin School.
- Condition of walls and ceilings, Charity Building.
- Condition of floors, etc., Quincy Market.

*Expert services.* — Under the directions of the Consulting Architect, Prof. F. W. Chandler, this office has carefully gone over all plans and specifications prepared for the construction, heating and ventilating, and plumbing of all the different buildings designed to be erected by the city during the past year, and suggestions have been made, which in most cases have been followed, and have also carefully checked up all orders of additions to or deductions from the different contracts on buildings now in process of erection, and in many cases a considerable saving of money to the city has resulted.

The plans and specifications for the improvement of the heating and plumbing of different schools, to be taken care of under the special loan of \$300,000, were also gone over by this division.

A table showing the balance of appropriations, February 1, 1898, said appropriations having been turned over to this department at the time of the abolition of the Architect Department, said table also showing amount of additions to, or deductions from said contracts, bills which have been paid, and payments on contracts, is herewith appended :

| NAME.                                | Balance of Appropriation, Feb. 1, 1897. | Additions to Contracts. | Bills Paid.           | Payments on Contracts. | Balance of Appropriation, Feb. 1, 1898. | REMARKS. |
|--------------------------------------|---|-------------------------|-----------------------|------------------------|---|----------|
| Brighton High School .....           | \$1,965 70                              | .....                   | .....                 | .....                  | \$1,965 70                              |          |
| Grammar Sch.-ho., Bowdoin Dist....   | 281 64                                  | <sup>4</sup> \$104 47   | \$138 35              | \$4,150 91             | 247 76                                  |          |
| Grammar Sch.-ho., Stoughton Dist.,   | 1,385 03                                | 453 28                  | .....                 | 2,065 83               | 1,349 75                                |          |
| Grammar Sch.-ho., Mt.Vernon Dist.,   | 28 30                                   | .....                   | .....                 | .....                  | <sup>2</sup> 28 30                      |          |
| Grammar Sch.-ho., North Brighton..   | 27 31                                   | .....                   | .....                 | .....                  | <sup>2</sup> 27 31                      |          |
| Primary Sch.-ho., Emerson Dist. ..   | 129 89                                  | .....                   | .....                 | .....                  | <sup>2</sup> 129 89                     |          |
| Primary Sch.-ho., Genesee st.....    | 6,272 18                                | .....                   | <sup>1</sup> 1,126 42 | 20 62                  | <sup>2</sup> 5,145 76                   |          |
| Primary Sch.-ho., Morton st.....     | 323 99                                  | .....                   | .....                 | .....                  | <sup>2</sup> 323 99                     |          |
| Primary Sch.-ho., Canterbury st..    | 818 49                                  | .....                   | <sup>1</sup> 128 11   | .....                  | <sup>2</sup> 690 38                     |          |
| Mechanic Arts High School ....       | 3 42                                    | .....                   | .....                 | .....                  | <sup>2</sup> 3 42                       |          |
| Fire Dept. Bldg. & Site, So. Boston, | 79 92                                   | .....                   | .....                 | .....                  | 79 92                                   |          |
| Mecha'ic Arts High Sch., Furnishing, | 157 74                                  | .....                   | <sup>1</sup> 157 74   | .....                  | .....                                   |          |
| New Lunatic Hospital .....           | 2,358 08                                | 11,870 79               | <sup>6</sup> 1,428 50 | 44,000 00              | <sup>3</sup> 10,941 21                  |          |
| New Buildings, City Hospital...      | 43,697 96                               | <sup>5</sup> 45,383 59  | 13,519 80             | 31,271 65              | <sup>3</sup> 4,978 70                   |          |

<sup>1</sup> Expended by School Committee.<sup>2</sup> Transferred to Appropriation School-houses, improvements in.<sup>3</sup> Deficit.<sup>4</sup> Deduction.<sup>5</sup> This amount includes contracts let during the year.<sup>6</sup> Expended by Institutions Commissioner.

## ELECTRICAL CONSTRUCTION DIVISION,

11 WAREHAM STREET,

BOSTON, February 1, 1898.

Col. FRED. B. BOGAN,

*Superintendent of Public Buildings:*

DEAR SIR: I present herewith a report of the business done by the Electrical Construction Division for the year ending January 31, 1898.

*Balance Sheet.—Dr.*

|   |              |
|---|--------------|
| By stock on hand February 1, 1897 . . . . .                           | \$4,844 75   |
| By accounts on hand February 1, 1897 (un-<br>finished work) . . . . . | 7,180 10     |
| By expenditures for materials . . . . .                               | 66,236 14    |
| By expenditures for labor . . . . .                                   | 39,230 54    |
| By labor paid direct from City Hospital ap-<br>propriation . . . . .  | 6,003 98     |
|   | <hr/>        |
|   | \$123,495 51 |

*Cr.*

|   |              |
|---|--------------|
| By bills submitted for collection . . . . .                           | \$84,533 07  |
| By accounts on hand January 31, 1898 (un-<br>finished work) . . . . . | 15,273 22    |
| By stock on hand January 31, 1898 . . . . .                           | 11,664 37    |
| By labor paid direct from City Hospital ap-<br>propriation . . . . .  | 6,003 98     |
| Expenses of this Division . . . . .                                   | 6,020 87     |
|   | <hr/>        |
|   | \$123,495 51 |

*Expenditures to January 31, 1898.*

|  |              |
|--|--------------|
| Stock and materials charged to Public Build-<br>ings Appropriation . . . . . | \$66,236 14  |
| Labor charged to Public Buildings Appropria-<br>tion . . . . .               | 39,230 54    |
| Labor paid direct by City Hospital . . . . .                                 | 6,003 98     |
|  | <hr/>        |
|  | \$111,470 66 |

*Detailed Statement of Expenditures.*

## Materials:

|                                     |             |
|-------------------------------------|-------------|
| To stock, wire cables, etc. . . . . | \$21,562 64 |
| Printing and stationery . . . . .   | 675 75      |
|                                     | <hr/>       |

|                           |             |
|---------------------------|-------------|
| Carried forward . . . . . | \$22,238 39 |
|---------------------------|-------------|



FIG. I.—EXTERIOR OF POWER-HOUSE.



|   |                  |           |
|---|------------------|-----------|
| <i>Brought forward . . . . .</i>  | \$22,238         | 39        |
| Electric fans . . . . .   | 139              | 00        |
| Gas and electric fixtures . . . . .                                     | 4,629            | 08        |
| Carpenter work and stock including all mouldings and hardware . . . . . | 2,496            | 42        |
| Electric lighting . . . . .   | 33               | 38        |
| Car and railway fares . . . . .   | 1,585            | 50        |
| Telephone service . . . . .   | 311              | 90        |
| Teaming . . . . .   | 468              | 01        |
| Typewriting . . . . .   | 195              | 51        |
| Blue prints . . . . .   | 25               | 51        |
| Iron-work and general supplies . . . . .                                | 8,767            | 15        |
| Mason-work . . . . .  | 3,634            | 09        |
| Motors . . . . .  | 251              | 45        |
| Horse-keeping, carriages, etc. . . . .                                  | 1,008            | 60        |
| Electric light plant, engines, etc. . . . .                             | 13,028           | 00        |
| Telephones and fixtures . . . . .                                       | 1,967            | 52        |
| DYNAMOS . . . . .   | 5,331            | 82        |
| Painting and glazing . . . . .  | 93               | 58        |
| Steamfitting . . . . .  | 11               | 23        |
| Expert services . . . . .   | 20               | 00        |
|   |                  |           |
| Labor charged to Public Buildings Department . . . . .                  | \$66,236         | 14        |
| Labor paid direct by City Hospital . . . . .                            | 39,230           | 54        |
|   | 6,003            | 98        |
|   |                  |           |
| <i>Carried forward . . . . .</i>  | <u>\$111,470</u> | <u>66</u> |

*Detailed Statement of Receipts.*

For work in the different departments chargeable to Public Buildings Department:

|                                       |                |           |
|---------------------------------------|----------------|-----------|
| Ward-room 9 . . . . .                 | \$89           | 09        |
| Ward-room 19 . . . . .                | 68             | 90        |
| Sealer Weights and Measures . . . . . | 11             | 39        |
| Building Commissioners . . . . .      | 57             | 60        |
| Health Department . . . . .           | 1              | 88        |
| Clerk of Committees . . . . .         |                | 92        |
| Law Department . . . . .              | 14             | 10        |
| Probate Building . . . . .            | 548            | 78        |
| City Treasurer . . . . .              | 395            | 34        |
| Lamp Department . . . . .             | 106            | 44        |
| Aldermen's Chamber . . . . .          | 60             | 72        |
|                                       |                |           |
| <i>Carried forward . . . . .</i>      | <u>\$1,355</u> | <u>16</u> |

|   |   |   |          |            |
|---|---|---|----------|------------|
| <i>Brought forward</i>  | . | . | \$1,355  | 16         |
| Printing Department   | . | . | 42       | 92         |
| Election Commissioners  | . | . | 23       | 63         |
| Wire Commissioner   | . | . | 102      | 72         |
| Room No. 30, Old Court House                                  | . | . | 83       | 96         |
| City Clerk  | . | . | 39       | 40         |
| Street Department   | . | . | 20       | 51         |
| City Messenger  | . | . | 169      | 86         |
| City Auditor  | . | . | 8        | 59         |
| Room No. 8, City Hall   | . | . | 4        | 72         |
| Common Council Chamber  | . | . | 62       | 28         |
| Water Board   | . | . | 16       | 74         |
| City Collector  | . | . | 76       | 74         |
| Mayor's office  | . | . | 862      | 44         |
| Assessors' office   | . | . | 133      | 59         |
| Street Commissioners  | . | . | 269      | 92         |
| Electrical Construction Division                              | . | . |          | 82         |
| Milk Inspector  | . | . | 3        | 96         |
| Tremont Building, Street Department                           | . | . | 25       | 08         |
| Overseers of the Poor   | . | . | 96       | 39         |
| Storehouse, Plympton street                                   | . | . | 662      | 87         |
| 30 and 32 Tremont street                                      | . | . | 1,211    | 30         |
| Elevators, City Hall  | . | . | 129      | 64         |
| Document room, City Hall                                      | . | . | 158      | 59         |
| Dome, City Hall   | . | . | 46       | 07         |
| Engine-room, City Hall  | . | . | 22       | 76         |
| City Hall, Old Court House, corridors and miscellaneous work, | . | . | 64       | 61         |
|   |   |   |          | \$5,695 27 |
| For work chargeable to departments:                           |   |   |          |            |
| Public Institutions   | . | . | \$7,973  | 27         |
| City Hospital   | . | . | 29,150   | 71         |
| Water Department  | . | . | 823      | 32         |
| Public Grounds  | . | . | 208      | 48         |
| Election Commissioners  | . | . | 5        | 86         |
| Police Commissioners  | . | . | 70       | 02         |
| School Committee  | . | . | 2,945    | 16         |
| Improvements in City Hall                                     | . | . | 192      | 08         |
| Reconstruction, basement of Old Court House                   | . | . | 35       | 01         |
| City Engineer   | . | . | 627      | 04         |
| Street Commissioners  | . | . | 534      | 76         |
| Superintendent of Streets                                     | . | . | 7,416    | 44         |
| Superintendent of Printing                                    | . | . | 257      | 63         |
| <i>Carried forward</i>  | . | . | \$50,239 | 78         |
|   |   |   |          | \$5,695 27 |

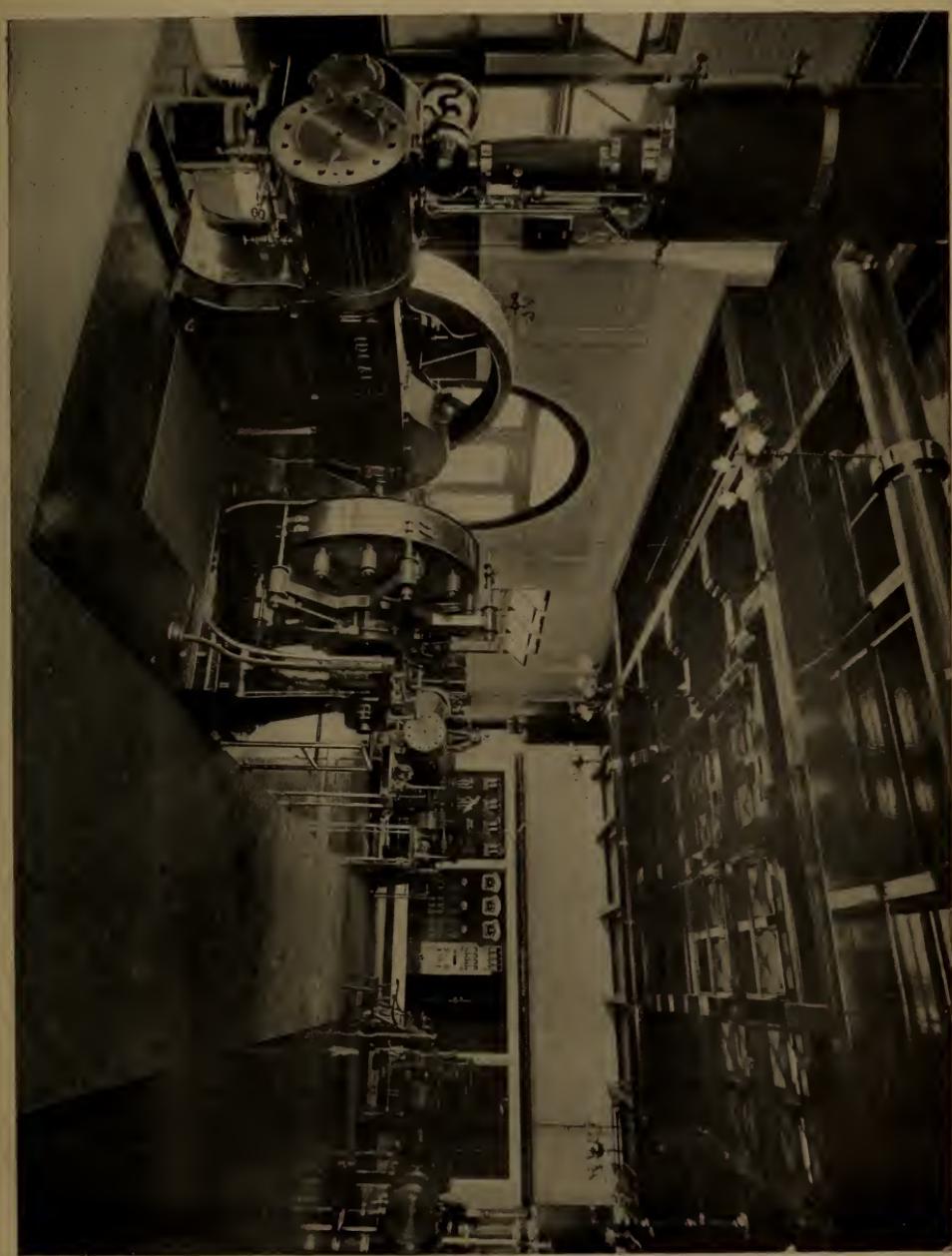


FIG. 2.— ENGINE AND DYNAMO-ROOM.



|                                       |   |   |          |    |           |    |
|---------------------------------------|---|---|----------|----|-----------|----|
| <i>Brought forward</i>                | . | . | \$50,239 | 78 | \$5,695   | 27 |
| Park Commissioners                    | . | . | 5,252    | 96 |           |    |
| State armories                        | . | . | 11,638   | 94 |           |    |
| City Collector                        | . | . | 138      | 27 |           |    |
| Ward-room 19                          | . | . | 562      | 71 |           |    |
| Ward-room 17                          | . | . | 892      | 76 |           |    |
| Markets                               | . | . | 121      | 07 |           |    |
| Overseers of the Poor                 | . | . | 3,382    | 68 |           |    |
| B. F. Sturtevant & Co. (South Armory) | . | . | 20       | 63 |           |    |
| Public Library                        | . | . | 203      | 91 |           |    |
| Fire Department                       | . | . | 4,399    | 73 |           |    |
| Dome, City Hall                       | . | . | 1,825    | 77 |           |    |
| City Messenger                        | . | . | 158      | 59 |           |    |
|                                       |   |   |          |    | —         | —  |
| Stock on hand                         | . | . |          |    | 78,837    | 80 |
| Accounts on hand (unfinished work)    | . | . |          |    | 11,664    | 37 |
|                                       |   |   |          |    | 15,273    | 22 |
|                                       |   |   |          |    |           | —  |
|                                       |   |   |          |    | \$111,470 | 66 |

The sum of \$29,742.77 has been expended for work authorized by and charged to special appropriations, of which amount \$26,676.10 is charged to special appropriations for City Hospital Electric Light Plant, and \$3,066.67 to special appropriation for Electric Light Plants for ferry-boats.

The sum of \$15,000 was estimated to cover cost of work to be done for Public Buildings Department, and the expenses of this division for the year 1897. Of this amount \$5,336.66 has been expended for Public Buildings (see previous statement), and \$6,020.87 is charged to expenses of this division leaving a balance of \$3,642.47.

The item of \$6,020.87 for expenses of this division covers our office expenses and inspections of wiring and apparatus throughout the city. These inspections have proved to be of great benefit, in keeping the city's electrical property in safe and proper condition. The city now owns and operates fifteen (15) electric light plants, details of which are given elsewhere, and represent an approximate valuation of \$181,200. This sum representing only the engines and electrical apparatus with the exception of the Deer Island Plant which covers boiler and building. To this should be added the electrical equipment supplied with current from the various illuminating and power companies, and also the private telephone and bell equipments which bring the estimated total up to \$300,000 not including the fire-alarm and police-signal system.

The importance of giving this apparatus the best possible care can be readily seen when due consideration is given to the fact that the use of electricity in some form now enters into the equipment of nearly every building, and that while under reasonable care it is one of the safest forms of energy known to science, it is also true that unless properly installed and cared for it is a constant source of danger.

Much has been accomplished during the past year in the way of investigating and gathering information relative to the city's electrical property, and I would recommend that the work be continued during the ensuing year, as the service can be made of great value to the various departments operating electric plants and apparatus by furnishing them reliable reports from time to time showing what defects exist and at what efficiency their plant is being operated; also any faults of management. I would also recommend that records be kept with a view to learning, if possible, the cost of operating isolated plants. Such records are very scarce and at this time when there is so much argument regarding the advisability of municipal lighting plants the facts are particularly desirable.

During the past year this division has furnished electrical supplies to the various departments to the amount of \$4,407.54.

The division has been badly handicapped by lack of room in which to conduct its business and handle its stock, but it is expected that by April 15 the new stock-room and office in the Old Armory Building, No. 11 Wareham street, will be completed and occupied.

The following descriptions of the principal plants designed and installed by this division since its organization (May, 1896) may be of interest, and prove conclusively that the city of Boston is no longer neglecting to adopt that which other large cities have so long found indispensable, and that greater economy and a much better class of work can be secured by doing the work under its own management.

In making this statement I do not claim that we can enter into competition with contracting firms doing work under their own specifications which means using the cheapest materials and labor.

There is no economy in such construction, as the cost of maintenance and repairs more than offsets the difference in cost of good construction, which can only be accomplished by the use of good materials and first-class labor, both of which it has been my aim to secure.

Yours respectfully,  
H. F. COTTLE,  
*Chief of Electrical Construction Division.*

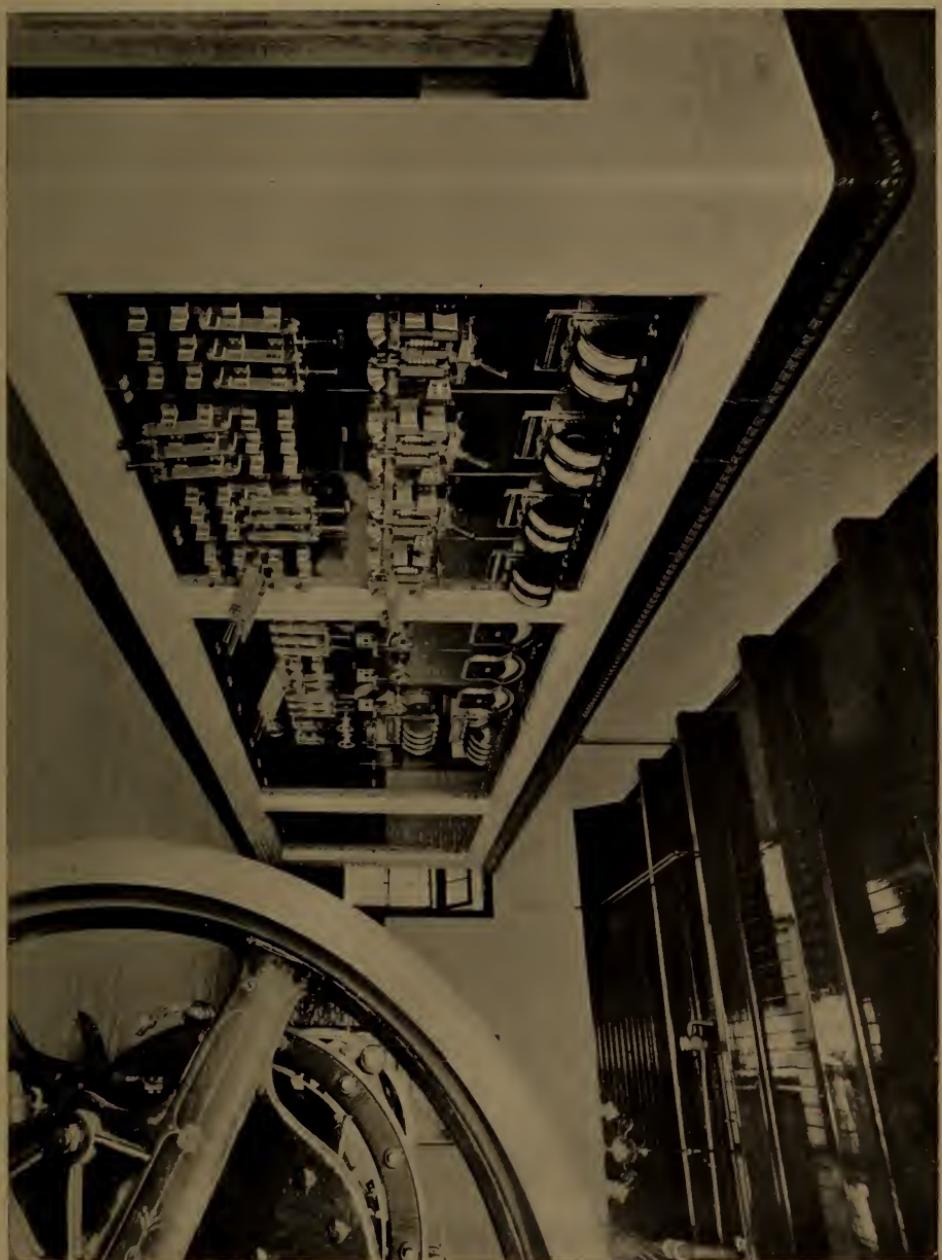


Fig. 3.—SWITCHBOARD.



## BOSTON CITY HOSPITAL.

This plant, which is considered to be one of the finest in this country, was completed October 14, 1897, and has since been running without mishap of any kind. The plant is located in the new power-house, shown in Fig. 1, situated on the easterly side of Albany street, directly in the rear of the hospital grounds, a plan of which is shown in Fig. 2. The head-house facing on Albany street is 60 by 40 feet and is built of red brick with marble trimmings, from designs by Mr. Edmund M. Wheelwright.

The head-house, marked 21 in Fig. 4, contains the engines and dynamos, while the boilers are installed in a boiler-house, 60 by 50 feet, marked 20 in Fig. 4, in the rear of the head-house, with a tank-room annexed. The stack is of brick, 100 feet in height and five feet inside diameter. The boiler-plant, consisting of six horizontal tubular boilers of 125 h.p., each was installed about three years ago and used until recently for heating purposes only. In the rear of the boiler-room is a coal pocket of about 3,500 tons capacity, into which the coal is unloaded directly from the vessel by means of a Hunt conveyor.

Steam is conveyed to the engine-room through a steam main, 12 inches in diameter, with suitable valves to admit live steam into the heating system when necessary.

The engine-room, shown in Fig. 2, is designed for six direct connected units, three of which have been installed. Each unit consists of a 17-inch by 14-inch "Ideal" automatic self-oiling engine, direct connected to an 80 Kilowatt, 220 volt, Siemens & Halske generator. The engines, which run at a speed of 250 revolutions per minute, are designed to operate with an initial steam pressure of 85 lbs., and under a back pressure of 15 lbs. to the square inch, in order to utilize the exhaust steam for heating purposes. This large back pressure is due to the long distances that steam has to be carried in the heating mains. When the steam is not required for heating it is passed through a Berryman feed water-heater and then discharged into the atmosphere. Each engine is piped up with a Stratton separator, and the exhaust steam is passed through an oil separator before entering the heating system. The various steam and recording gauges and clock are mounted on a gauge-board of Tennessee marble.

The switchboard, shown in Fig. 3, is 28 feet in length, and consists of 15 panels of polished black Monson slate, mounted in a white enameled brick setting and topped with an effective cornice. It is arranged in three sections, the

central one of seven panels being used for the generators, and two end sections, each of four panels, which are for the feeders. The central panel carries the switches and rheostat for controlling the motor generator, which is used for balancing the three-wire system and also the volt and ammeters for each side of the system, also showing the total load on the system and on the neutral bus.

Each of the three generator panels is equipped with a 3-pole 500-ampere knife switch, a field switch and rheostat and an illuminated dial ammeter. Each feeder panel has mounted upon it a 500-ampere double throw knife switch and an edgewise ammeter in each side of the system. Each feeder is provided with a double-coil double-pole I. T. E. circuit breaker, so arranged that an overload between the neutral and either outside pole will open both sides of the system, thus avoiding an excessive load on the motor generator. All safety fuses are mounted on independent slate bases and installed in the rear of the board, where ample space is provided for access. In case of accident to the plant, one or all of the feeders can be thrown on to the street service by reversing the feeder switches, thus making the hospital absolutely sure of service. The walls of the engine and dynamo-room are finished in enameled brick, and the floor is of polished birch and the ceiling paneled. A heavy nickel-plated railing separates the visitors' entrance from the main floor, and affords ample opportunity for viewing the plant without interference with the employés. There are also nickel-plated guard-rails around the engines and generators. A telephone booth, with inter-communicating telephone, connecting with every part of the institution, is also located in the engine-room.

On account of the large area covered by the institution it was found desirable to use the three-wire system, and this is accomplished by running the generators at 220 volts and balancing the neutral wire by means of a 5 K. W. four-pole Siemens & Halske motor generator.

There is also a small auxiliary switchboard in the rear of the main switchboard by which the lights in the power-house and stable adjoining can be transferred to either side of the system in case the system gets out of balance beyond the capacity of the motor generator. As a matter of fact the system is so well balanced that the motor generator takes care of the variations with ease.

From the power-house there are run out four sets of feeders (shown by dotted lines in Fig. 4), dividing the grounds into four sections, the south or contagious departments, the easterly

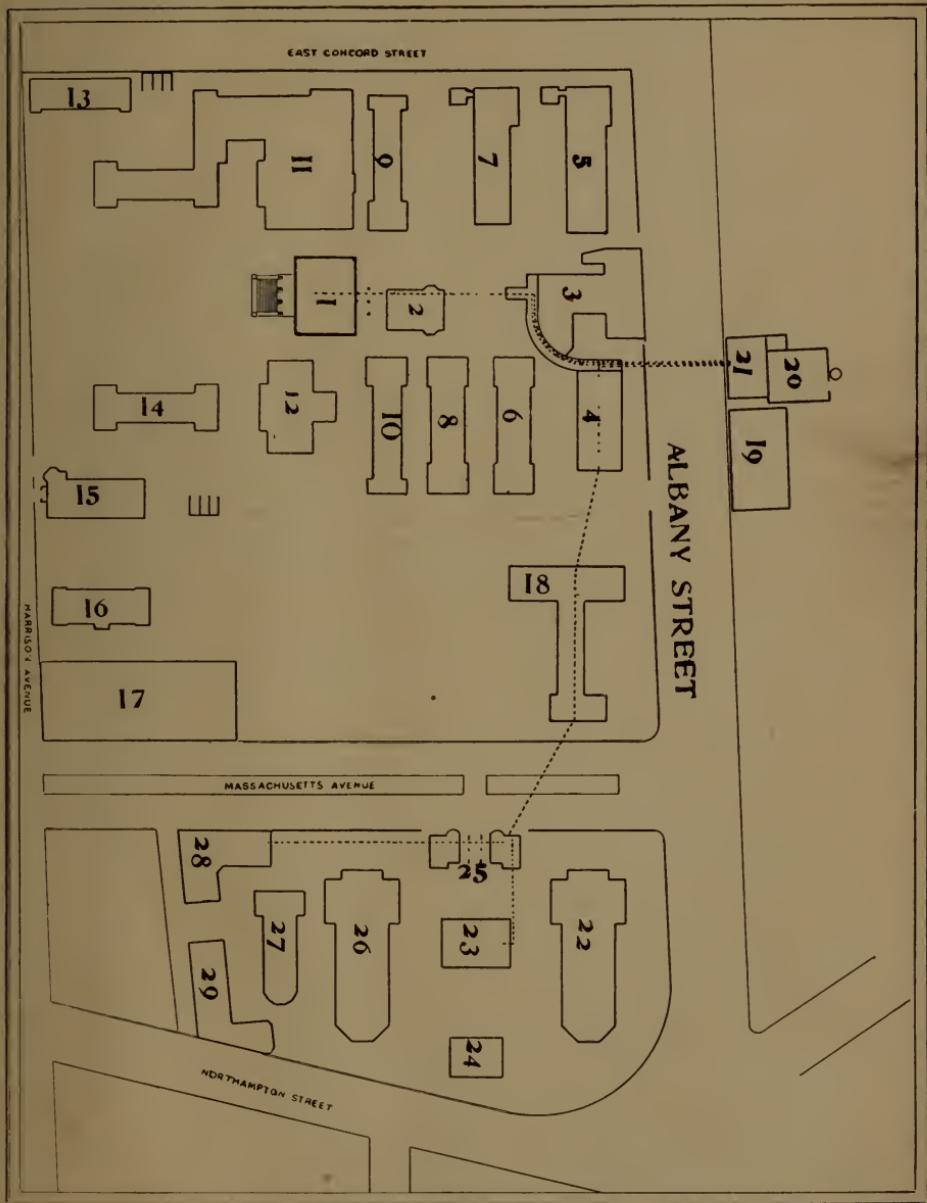


FIG. 4.—PLAN OF GROUNDS AND BUILDINGS, BOSTON CITY HOSPITAL



end of the old yard, and the medical and surgical sides of the old yard. The various buildings of the institution are connected by ducts for heating pipes and other purposes, and it was the original intention to run the electrical feeders through these ducts, but it was found inadvisable in some places on account of the heat and dampness, so special conduits have been laid across Albany street and Massachusetts avenue. These conduits consist of three-inch steel pipes laid in concrete. Inside the grounds the feeders are carried through the subways on special porcelain insulators bolted to the tops and sides of the subways. At the end of each feeder is a special slate distributing board controlling each circuit. From these distributing boards the mains are distributed to the various wards and buildings. These distributing boards are so arranged that should the system become unevenly balanced the branch circuit connections can be reversed to even up the load. Provision is also made for tying together two or more feeders in case of accident. The wiring loss from switchboard to lamps is figured at five volts. The wiring of the wards and other buildings is done in mouldings, except in the new buildings, in which iron-armored conduit is used. All cut-outs are located outside the wards. There are at present connected to the plant about 4,000 lamps and two motors, but it is intended to extend the use of electricity into many of the branches of hospital service, for which it is so well adapted.

The entire plant has been designed and installed from plans and specifications prepared by this Division, with the single exception of the steam-fitting which was already under the supervision of the Architectural Division. The original appropriation for the work was \$40,000 and was based on a bid made by a firm of electrical contractors, in accordance with plans and specifications prepared by Messrs. Stone & Webster of this city. As the plans contemplated an entirely different system, and as it was also found necessary to lay new conduits as previously mentioned, and also to allow for greater back pressure on the engines and capacity for increasing the plant to meet the growth of the hospital, the sum of \$10,000 additional was allowed, and the work has been completed within the specified amount. Up to the present time no definite figures have been obtainable relative to the cost of operating the plant, but it is the opinion of those in charge of the plant that the consumption of coal and water has increased but very little over that used for heating alone since the plant was started. During the summer months when the exhaust steam is not used for heating, the differ-

ence will probably be more noticeable, but indications seem to point to a highly economical plant. As previously stated it is our intention to procure figures relative to the cost of operation during the ensuing year.

#### HOUSE OF CORRECTION, DEER ISLAND.

The installation of this plant was begun in August, 1896, and that portion now installed was completed in February, 1897. The plant is located on the north-easterly end of the island, and consists of a substantial brick head-house 30 by 40 feet, with brick boiler-room 40 by 40 feet adjoining it in the rear. The stack is 100 feet in height by 5 feet inside diameter. The building was built by prison labor under the direction of Superintendent Gerrish.

The plant was designed for four boilers and four engines sufficient to light the entire institution, but only one boiler and one engine have been installed to date. The boiler installed is a Campbell-Zell Improved Water Tube safety boiler, tested for 200 pounds steam pressure and guaranteed to develop 120 h.p. As the firing is all done by prison labor which cannot be expected to be skilled or responsible to any extent, the use of a boiler of this type was almost compulsory, notwithstanding the increased cost, and subsequent experience has demonstrated the wisdom of the choice.

The engine is a 12-inch by 14-inch McEwen simple engine, direct connected to a 75 K. W. Thomson Ryan Dynamo, running at 275 R.P.M. The exhaust steam is passed through a National Feed Water-Heater and thence to atmosphere. Back pressure valves were provided so that the exhaust steam might be utilized in heating the new cell-house near by, but up to the present this has not been done. All piping throughout the plant is temporary, as it was not considered advisable to put in permanent piping until the balance of the plant is completed. This is also true of the switchboard which is also temporary. The feed-pump, injector, feed-water heater and back pressure valve are permanent and large enough for the entire plant. Foundations are also in place for the balance of the boilers and engines. The dynamo installed is of a new type, and its operation has been watched with considerable interest by electricians. Tests made by Mr. Chas. E. Davis, C. E., indicate that the dynamo does all that is claimed for it, and that it is a thoroughly reliable machine, absolutely free from sparking under any load and with the brushes in fixed position.



EXTERIOR OF POWER-HOUSE, DEER ISLAND.



At present there are about 1,000 incandescent and two arc lamps connected to the plant; 650 of the above being in the new cell-house and 250 in the hospital, and fifty in the main institution building. The hospital and cell-house are connected with the power-house by lead-covered cables drawn into underground conduits. The lights in the main institution are reached by overhead wires.

The wiring in the new cell-house is done in plain iron pipes, and was the first building in Boston to be equipped in this manner, which has since been generally adopted as a standard method.

There is urgent need of a duplicate equipment for the power-house, for while there has never been any serious interruption to the service, such interruptions should be provided for, both on account of safety and economy. At present it is necessary to keep the apparatus in condition to run at all times, thus leaving no opportunity to make repairs or proper inspection. In case of failure of any portion compelling the plant to shut down, the new cell-house will be without light, and as the building contains about 500 prisoners the effect of leaving it in darkness can be readily seen. Another boiler, engine and dynamo should be added at once, to be used as a reserve outfit.

There is also urgent necessity of lighting the women's dormitory, which is now lighted by kerosene lamps. No additional machinery need be installed for this purpose, there being capacity enough in the present plant.

#### LONG ISLAND ALMSHOUSE.

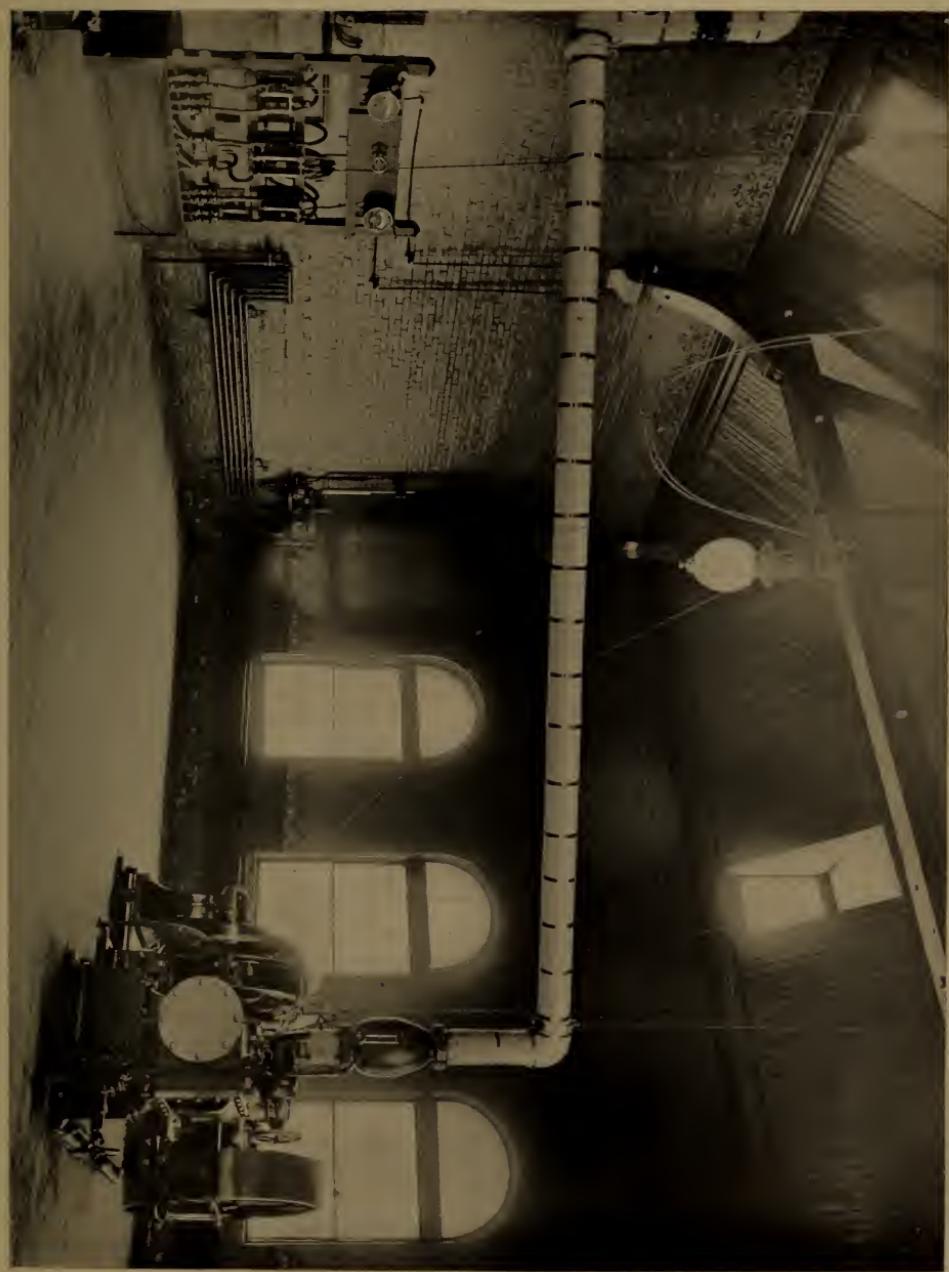
This is an old plant installed several years ago and added to from time to time until it is now badly overloaded and in danger of collapse. Shortly after this division was organized our attention was directed to a report made by the Wire Department concerning the dangerous condition of the wiring.

An examination verified the above report and work was at once commenced to make the plant safe. All the defects in wiring reported have now been corrected and a fire-alarm system installed as recommended. So far as the wiring is concerned the plant is now in good shape, but the plant is badly overloaded beside being poorly situated. I advise the removal of the engines and dynamos to a clean, dry place above grade, and the addition or substitution of apparatus of sufficient capacity to handle the load and any additions likely to be made in the future.

## FERRY-BOATS.

During the past year electric lighting plants have been installed on ferry-boats "Winthrop," "D. D. Kelly," and "Revere." The plants have a capacity of 100 lights each, and consist of 8 inches by 6 inches high-speed engines direct connected to 5.75 K. W. dynamos together with condensers, pumps and switchboards. All the fixtures are of the standard U. S. marine type, and all wiring is done according to marine specifications.

Additional to the foregoing are the wiring of the police-steamer "Guardian" for sixty incandescent and one search light; Chestnut-Hill pumping-station 300 lights rewired; English High School wired for 592 lights; Sherwin School 111 lights; North End Park 125 lights; and other work of ordinary nature.



INTERIOR OF POWER-HOUSE, DEER ISLAND.



## LIST OF ELECTRIC PLANTS OPERATED BY THE CITY.

| LOCATION.                              | Incand.<br>Lights. | Arc<br>Lights. | Motors. | Boilers. | Engines. | Dynamos. | H.P.<br>in Elec. | Capacity<br>in H.P.                             | Installed by | Date. |
|--|--------------------|----------------|---------|----------|----------|----------|------------------|---|--------------|-------|
| City Hospital .....                    | 4,000              | .....          | 2       | 6        | 3        | 3        | 321.7            | Electrical Construction Division.....           | 1897         |       |
| Public Library .....                   | 3,127              | .....          | 8       | 3        | 3        | 3        | 301.0            | General Elec. Co. and Siemens & Halske Co. .... | 1895         |       |
| House of Correction, Deer Island.....  | 1,000              | 2              | .....   | 1        | 1        | 1        | 100.5            | Electrical Construction Division .....          | 1896         |       |
| Almshouse, Long Island .....           | 1,000              | .....          | 4       | 4        | 3        | 3        | 48.0             | J. S. Potter and C. & C. Electrical Co. ....    | 1892         |       |
| Marine Park, City Point.....           | 181                | .....          | 1       | 2        | 1        | 1        | 20.0             | Hawkes Electrical Co. ....                      | 1895         |       |
| Fire Department, Bristol street .....  | 151                | .....          | .....   | 2        | 2        | 2        | 30.0             | Godfrey Electrical Co. ....                     | 1894         |       |
| Steamer "Guardian" .....               | 60                 | 1              | .....   | 1        | 1        | 1        | 4.               | Electrical Construction Division .....          | 1896         |       |
| " " General Hancock " .....            | 48                 | .....          | .....   | 1        | 1        | 1        | 5.               | Edison Co. ....                                 | 1887         |       |
| " " East Boston " .....                | 55                 | .....          | .....   | 1        | 1        | 1        | 6.               | N. E. Weston Electric Light Co. ....            | 1892         |       |
| " " Winthrop " .....                   | 81                 | .....          | .....   | 1        | 1        | 1        | 6.               | Electrical Construction Division .....          | 1897         |       |
| " " Revere " .....                     | 81                 | .....          | .....   | 1        | 1        | 1        | 6.               | " " "   | 1897         |       |
| " " D. D. Kelley " .....               | 81                 | .....          | .....   | 1        | 1        | 1        | 6.               | " " "   | 1897         |       |
| *Water Department, Chestnut Hill ..... | 350                | 4              | .....   | 4        | 1        | 1        | 33.5             | " " "   | 1896         |       |
| *Water Department, West Medford .....  | 113                | .....          | .....   | .....    | .....    | .....    | 20.0             | .....   | .....        |       |

\* Now under control of Metropolitan Water Board.

|   |        |
|---|--------|
| Number of inspections for year 1897 . . . . . | 1,819  |
| Property covered by above inspections:        |        |
| Incandescent lights . . . . .                 | 15,324 |
| Arc lights . . . . .                          | 61     |
| Fixtures . . . . .                            | 8,326  |
| Engines . . . . .                             | 20     |
| DYNAMOS . . . . .                             | 20     |
| Boilers . . . . .                             | 9      |
| Private telephones . . . . .                  | 37     |
| Electric bells . . . . .                      | 2,148  |
| Switchboards . . . . .                        | 30     |
| Speaking-tubes . . . . .                      | 952    |
| Batteries . . . . .                           | 1,905  |
| Private fire alarms . . . . .                 | 5      |
| Watch-clocks . . . . .                        | 108    |
| Annunciators . . . . .                        | 67     |
| Transformers . . . . .                        | 5      |

Following are the special appropriations on school-house account expended during the year:

School buildings, improvements in:

|                                      |                   |
|--------------------------------------|-------------------|
| Edward Everett . . . . .             | \$8,743 31        |
| Cyrus Alger . . . . .                | 8,610 69          |
| Roxbury street . . . . .             | 9,941 11          |
| Glenway. . . . .                     | 400 40            |
| Freeman . . . . .                    | 4,263 36          |
| Cushman . . . . .                    | 1,513 92          |
| Washington street, F. H. . . . .     | 56 70             |
| Savin Hill . . . . .                 | 36 00             |
| Common street, Charlestown . . . . . | 360 56            |
| Mt. Pleasant avenue . . . . .        | 364 05            |
| Lewis . . . . .                      | 126 00            |
| Chestnut avenue . . . . .            | 1,434 23          |
| Mechanic Arts High . . . . .         | 1 60              |
| Grant . . . . .                      | 1,067 81          |
| Hobart street . . . . .              | 7,140 59          |
| Mead street . . . . .                | 866 58            |
| Bailey street . . . . .              | 689 33            |
| Quincy street, Roxbury . . . . .     | 2,072 64          |
| Everett, Brighton . . . . .          | 36 00             |
| Lowell . . . . .                     | 4,797 47          |
| Warren . . . . .                     | 1,061 24          |
| Canterbury street . . . . .          | 841 93            |
| <i>Carried forward</i> . . . . .     | <hr/> \$54,425 52 |

|   |           |           |    |
|---|-----------|-----------|----|
| <i>Brought forward . . . . .</i>                                      | \$54,425  | 52        |    |
| Emerson, city proper . . . . .  | 888       | 64        |    |
| Ware . . . . .  | 285       | 50        |    |
| Eliot . . . . .   | 4,039     | 35        |    |
| Frothingham . . . . .   | 371       | 92        |    |
| Dillaway . . . . .  | 14,414    | 65        |    |
| Franklin . . . . .  | 11,305    | 46        |    |
| Lyman . . . . .   | 10,437    | 17        |    |
| Old Edward Everett . . . . .  | 9,418     | 93        |    |
| Somerset street . . . . .   | 1,778     | 74        |    |
| Prince . . . . .  | 19,411    | 35        |    |
| Chapman . . . . .   | 1,956     | 83        |    |
| Adams street . . . . .  | 5,463     | 67        |    |
| Appleton street . . . . .   | 16,883    | 67        |    |
| Capen . . . . .   | 15,351    | 86        |    |
| Howe . . . . .  | 14,203    | 83        |    |
| Bunker Hill, Grammar . . . . .  | 20,088    | 97        |    |
| Bunker Hill, Primary . . . . .  | 13,152    | 67        |    |
| Tileston . . . . .  | 12,446    | 01        |    |
| Harris . . . . .  | 3,711     | 94        |    |
| Emerson, East Boston . . . . .  | 15,397    | 60        |    |
| Pormort . . . . .   | 573       | 78        |    |
| Salaries . . . . .  | 3,667     | 84        |    |
| Teaming . . . . .   | 537       | 54        |    |
| Fire extinguishers . . . . .  | 2,773     | 87        |    |
| Incidentals . . . . .   | 726       | 27        |    |
|   | —————     | \$253,713 | 58 |
| Gilbert Stuart school-house, furnishing . . . . .                     | 1,058     | 14        |    |
| Beech-street school-house, furnishing . . . . .                       | 939       | 30        |    |
| Roger Clap school-house, furnishing . . . . .                         | 3,972     | 30        |    |
| New Bowdoin school-house, furnishing and<br>electric lights . . . . . | 8,244     | 64        |    |
| Brighton High school-house, furnishing . . . . .                      | 7,205     | 17        |    |
| Small wooden buildings :  |           |           |    |
| Hugh O'Brien school-yard . . . . .                                    | \$927     | 54        |    |
| Lowell school-yard . . . . .  | 779       | 66        |    |
| Munroe-street school-yard . . . . .                                   | 1,478     | 59        |    |
| Chapman school-yard . . . . .   | 966       | 48        |    |
|   | —————     | 4,152     | 27 |
| Allston club-house, furnishing . . . . .                              | 125       | 00        |    |
| Andrews school-house, furnishing . . . . .                            | 497       | 57        |    |
| Small wooden buildings, furnishings :                                 |           |           |    |
| Hugh O'Brien . . . . .  | \$1,783   | 81        |    |
| Chapman . . . . .   | 1,813     | 99        |    |
|   | —————     | \$3,597   | 80 |
| <i>Carried forward . . . . .</i>                                      | \$279,907 | 97        |    |

|   |         |    |           |    |
|---|---------|----|-----------|----|
| <i>Brought forward . . . . .</i>                              | \$3,597 | 80 | \$279,907 | 97 |
| Prescott . . . . .  | 958     | 41 |           |    |
| Lowell . . . . .  | 862     | 56 |           |    |
|   |         |    | 5,418     | 77 |
| Thetford-street school-house, furnishing . . . . .            |         |    | 2,393     | 18 |
| Vernon-street school-house building . . . . .                 |         |    | 717       | 29 |
| Sharp school-house, addition to lot . . . . .                 |         |    | 1,097     | 96 |
| Longfellow school-house, furnishing . . . . .                 |         |    | 8,531     | 93 |
| Dillaway school-house, addition to lot . . . . .              |         |    | 625       | 85 |
| Robinson-street school-house, furnishing . . . . .            |         |    | 1,051     | 50 |
| Primary school-house, Genesee street . . . . .                |         |    | 1,126     | 42 |
| Groton-street school-house, paving and fencing yard . . . . . |         |    | 1,996     | 10 |
|   |         |    | \$302,866 | 97 |

In addition to the foregoing, this department has in charge the contracting for, and the supplying of, the fuel for all departments of the city and county, not otherwise provided for, which include the Police, Fire, Streets, Parks, Health, Public Buildings, Public Libraries, Public Grounds, Paving, Sanitary, Street-Cleaning, Sewer, Bridge, Cemeteries, Gallup's Island, Markets, Police and Fireboats, also the County and District Municipal Courts. Requisitions are made as needed by each department; the amount required is inspected, weighed, and certified to by an employee of this department. The amount delivered to the several departments for the year ending February 1, 1898, is as follows, viz.:

|                                   |                       |
|-----------------------------------|-----------------------|
| Furnace coal, tons, 7,902         | Cannel coal, tons, 79 |
| Egg " " 3,896                     | Franklin " " 6        |
| Stove " " 1,683                   | Nut " " 26            |
| Cumberland coal, tons, 6,250      |                       |
|                                   | Total, 19,842         |
| Nova Scotia wood, cords . . . . . | 51                    |
| Pine wood, cords . . . . .        | 105                   |
|                                   | Total . . . . . 156   |
| Total cost of above . . . . .     | \$94,792 45           |

#### INCOME.

The following are the buildings from which rents have been received during the past year, also from other sources, together with the amounts; all of which are in charge of this department:

|  |  |             |
|--|--|-------------|
| Faneuil Hall market and cellars and outside<br>stalls . . . . .          |  | \$84,977 80 |
| Faneuil Hall building, stalls and cellar under<br>Faneuil Hall . . . . . |  |             |
| Old State House . . . . .  |  | 10,350 00   |
| House, 94 Roxbury street . . . . .                                       |  | 300 00      |
| Stable, Charlestown District . . . . .                                   |  | 137 50      |
| Curtis Hall . . . . .  |  | 240 00      |
| Ward-rooms . . . . .   |  | 346 00      |
| Rotunda and offices, Quincy Hall . . . . .                               |  | 2,800 00    |
| Town Hall, Dorchester . . . . .  |  | 21 00       |
| Produce Exchange . . . . .   |  | 1,800 00    |
| Rooms in Quincy Hall . . . . .   |  | 500 00      |
| Old Franklin school-house . . . . .                                      |  | 100 00      |
| Heating Old State House . . . . .  |  | 164 76      |
| Electrical Construction Division . . . . .                               |  | 65,828 84   |

The following list will show the number and location of buildings belonging to and hired by the city, which are under the charge of this department.

Respectfully submitted,

FREDERICK B. BOGAN,  
*Superintendent of Public Buildings.*

## PUBLIC BUILDINGS.

| Buildings.  | Location.                         | No. of ft.<br>in lot. | Remarks.  |
|---|-----------------------------------|-----------------------|---|
| City Hall.....  | School st.....                    | 25,915                |   |
| City Hall.....  | City sq., Charlestown .....       | 8,246                 | Police Station No. 15 in this building; also branch of the Public Library, and Municipal Court and Evening Drawing School. Police-wagon stable on this lot. |
| Faneuil Hall, and market under same .....                             | Faneuil Hall sq....               | 8,460                 |   |
| Faneuil Hall market-house, and hall over same .....                   | North and South Market sts.....   | 27,400                |   |
| Old State House .....   | State st. ....                    | 4,239                 |   |
| South City Stables .....  | Albany st.....                    | 90,780                | Four build'gs and four sheds.   |
| Highland-st. stables .....  | Highlands.....                    | 81,082                | Three buildings.  |
| West City stables .....   | North Grove st....                | 33,306                | Two buildings.  |
| Curtis Hall.....  | South st., W. R....               | 49,907                | Branch of Public Library in this building.  |
| Offal depot, wharf and dock .....                                     | Albany st. ....                   | 39,511                |   |
| Repairs Division Work Shop .....                                      | Wareham st. ....                  | 8,500                 |   |
| Old Armory building.....  | Maverick st. ....                 | 4,337                 | Ward-room 2 in this building; upper part leased to Post 159, G.A.R.   |
| Reception-house .....   | North Grove st. ....              | 11,792                |   |
| Paving Dept. yard.....  | Hancock street,<br>Ward 20 .....  | 109,444               | Four buildings occupied by Paving Department.   |
| House and land .....  | 94 Roxbury st. ....               | 4,190                 | Rents for \$300 per annum.  |
| Central Charity Bureau, }<br>City Temporary Home.. } Chardon st. .... |                                   | 19,962                | Boiler and storehouse on lot.   |
| Town Hall .....   | Washington st., Dorchester .....  | 16,800                | Used for drill hall, Dorchester High School.  |
| Town Hall .....   | Washington st. ....               | 13,431                | Ward-room 25 in this building; other room leased to Post 92, G.A.R. for 5 years, from December 1, 1893.   |
| Stable .....  | Rutherford ave....                | 17,300                | Two buildings occupied by Health Department.  |
| Old bath-house.....   | Cabot st. ....                    | 7,469                 | Ward-room 18 in this building.  |
| Wayfarers' Lodge .....  | Hawkins st. ....                  | 9,523                 |   |
| Church building .....   | Cor. Dudley and<br>Vine sts. .... | 11,592                | Ward-room 17 in this building, and Vine-st. Chapel on this lot.   |
| Small-pox Hospital .....  | Canterbury st. ....               | 182,168               |   |
| Old Franklin Sch'l-house,   | Washington st.....                | 11,471                | Ward-room Posts 15 and 7, G.A.R., in this building.   |

PUBLIC BUILDINGS.—*Concluded.*

| Buildings.                                   | Location.                          | No. of ft.<br>in lot. | Remarks.  |
|--|------------------------------------|-----------------------|---|
| <sup>1</sup> Old Winthrop school-house.....  | Bunker Hill st., Charlestown ..... | 7,927                 | Armory and Ward-room 3 in this building.                              |
| <sup>1</sup> Old Court House.....            | Court sq.....                      | 15,175                | Occupied by city offices.   |
| Westerly Hall.....                           | Centre st., West Roxbury .....     | 5,644                 | Public Library Branch in this building.                               |
| Stable .....                                 | Chauncey pl.....                   |                       | Rents for \$150 per year, on lot with Chauncey-pl. school.            |
| <sup>1</sup> Smith school-house .....        | Joy st. ....                       | 1,938                 | Leased to Post 134, G.A.R., from January 1, 1893, to January 1, 1899. |
| <sup>1</sup> Engine-house lot.....           | Soley st.....                      | 2,230                 |   |
| <sup>1</sup> Old Probate Court building..... | Court sq.....                      | 2,423                 | Occupied by the Street Department.                                    |
| Historical building.....                     | 30 and 32 Tremont st. ....         | 25,000                |   |
| Ward-room 20.....                            | Meeting House Hill .....           |                       | On lot with Mather school-house.                                      |
| Ward-room 19.....                            | Elmwood st. ....                   | 5,684                 |   |

<sup>1</sup> The above buildings were surrendered to this department, as not wanted for school, fire or county purposes.

In addition to the foregoing, the following property was leased for the use of this department:

| Location of Buildings. | Rent.  | No. of Rooms.      | Occupied by  |
|------------------------|--|--------------------|--|
| 37 Pemberton sq. ..... | \$5,800 per year and taxes. Police Department pay one-fourth of rent ..... | Whole building.    | Police Commissioners and Police Dept.                                    |
| 994 Washington st..... | \$1,100 per year...  | 5                  | Milk Inspector.  |
| Exchange Building..... | \$2,000 per year...  | 3                  | Park Commissioners.  |
| Mattapan .....         | \$198 per year....   | 3                  | Vacated April 1, 1897.   |
| 32 Tremont st. .....   | \$9,000 per year...  | 1st and 2d floors. | Lock-up, Police Dept.  |
|                        |  |                    | Public Institutions and Street Department.                               |
|                        |  |                    | Rent paid till February 24, 1897, when city bought the building.         |
| 73 Tremont st.....     | \$4,053 per year...  | 12 rooms.....      | Law Department.  |
| 73 Tremont st.....     | \$3,494 per year...  | 9 rooms.....       | Sanitary, Street-Cleaning and Bridge Divisions of the Street Department. |
| 73 Tremont st.....     | \$361 per year.....  | 2 rooms.....       | Street-watering Division of the Street Department.                       |

## ARMORIES.

The following list will show the location and rents of all armories February 1, 1898, in charge of this department:

| Occupied by                       | Rent per annum. | Location of Armories.   |
|-----------------------------------|-----------------|---|
| Headquarters, Second Brigade..... | \$900           | 37 Tremont street.  |
| Company A, Fifth Regiment.....    | \$1,200         | Congress Hall, Charlestown.<br>Lease expires January 1, 1901. |
| " H, " " .....                    | City building.  | Hose-house No. 3, Winthrop street, Charlestown.               |
| " L, Sixth " .....                | \$1,085         | 7 Green street.   |
| " D, Ninth " .....                | City building.  | Old Winthrop school-house, Bunker Hill street.                |
| " A, First Batt. of Cavalry..     | City building.  | Engine-house No. 4, Bulfinch street.                          |
| " D, " " "                        | \$1,200         | Bacon's Hall.   |
| " A, " Corps of Cadets..          |                 |   |
| " B, " " " ..                     | \$4,800         |   |
| " C, " " " ..                     |                 | 130 Columbus avenue.  |
| " D, " " " ..                     |                 |   |

## COUNTY BUILDINGS.

| Buildings.                               | Location.                              | No. of ft.<br>in lot. | Remarks.                                 |
|--|--|-----------------------|--|
| Court House.....                         | Pemberton sq....                       | 87,035                |  |
| Jail ..... .... .....                    | Charles st.....                        | 130,740               | Three buildings.                         |
| Municipal Court, Southern District ..... | Roxbury st.....                        | 14,390                | Evening Drawing School in this building. |
| Municipal Court, E. Boston.              | High School building.                  |                       |  |
| " " S. Boston.                           | Corner Dorchester and West Fourth sts. |                       |  |
| " " Charlest'n.                          | City sq.                               |                       |  |
| " " Brighton..                           | Washington st.                         |                       |  |
| " " W. Roxb'y.                           | Station-house 13.                      |                       |  |
| " " Dorchest'r.                          | " 11.                                  |                       |  |

## POLICE STATION-HOUSES.

|                     | Location.   | No. of feet<br>in lot. | Remarks.  |
|---------------------|---|------------------------|---|
| No. 1.....          | Hanover st.....                                   | 6,188                  |   |
| 2.....              | Court sq.....                                     | 2,029                  |   |
| 3.....              | Joy st.....                                       | 6,100                  |   |
| 4.....              | La Grange st.....                                 | 5,150                  |   |
| 5.....              | East Dedham st.....                               | 3,303                  | Addition built in 1884.   |
| 6.....              | West Broadway .....                               | 4,253                  |   |
| 7.....              | Meridian st.....                                  | 3,773                  | "   |
| 8.....              | Commercial st.....                                | 5,323                  | Harbor Police-station.  |
| 9.....              | Dudley st.....                                    | 6,797                  | Police-wagon stable in this house.  |
| 10.....             | Pynchon st.....                                   | 6,203                  |   |
| 11.....             | Adams st., Ward 20.....                           | 7,500                  | Court-room and branch of Public Library in this building.                 |
| 12.....             | East Fourth st., near K st. .                     | 7,217                  |   |
| 13 .....            | Seaverns ave., cor. Maple place, W. Roxbury ..... | 9,701                  | Municipal Court, W. Roxbury District, and patrol-wagon house on this lot. |
| 14.....             | Washington st., Brighton....                      | 53,908                 | Municipal Court, Brighton District, in this building.                     |
| 15 .....            | City Hall, Charlestown                            |                        |   |
| 16.....             | Boylston st.....                                  | 10,486                 |   |
| Lock-up... .        | Walnut st., Neponset .....                        | 1,476                  |   |
| "                   | Centre st., W. Roxbury.....                       | 1,628                  |   |
| "                   | Mattapan .....                                    |                        | Hired at rental of \$198 per year.  |
| Police<br>quarters. | Washington st , Bank build- ing, Dorchester ..... | 11,640                 | Branch Public Library in this building.                                   |

## ENGINE-HOUSES.

|           | Location.                      | No. of feet<br>in lot. | Remarks.  |
|-----------|--------------------------------|------------------------|---|
| No.1..... | Dorchester st.....             | 5,698                  | Addition built 1874. Municipal Court, Ward-room 15, and two classes, branch of Bigelow School, in the building. |
| 2.....    | East Fourth st., cor. O.....   | 4,000                  |   |
| 3.....    | Harrison av., cor. Bristol st. | 4,000                  | Ladder Truck 3 in this building.  |
| 4.....    | Bulfinch st.....               | 6,098                  | Lancers' Armory, Chemical Engine No. 1 and Water Tower in this building.  |
| 5.....    | Marion st., E. B.....          | 1,647                  |   |
| 6.....    | Leverett st.....               | 2,269                  |   |

ENGINE-HOUSES.—*Concluded.*

|            | Location.  | No. of feet<br>in lot. | Remarks.                                 |
|------------|--|------------------------|--|
| No. 7..... | East st.....                                     | 1,803                  |  |
| 8.....     | Salem st.....                                    | 2,568                  |  |
| 9.....     | Paris st., E. B.....                             | 4,720                  | Ladder Truck 2 in this building.         |
| 10.....    | Mt. Vernon st.....                               | 1,886                  |  |
| 11.....    | Saratoga st.....                                 | 10,000                 | Combination 4 in this building.          |
| 12.....    | Dudley st.....                                   | 7,320                  |  |
| 13.....    | Cabot st.....                                    | 4,832                  |  |
| 14.....    | Centre st.....                                   | 5,713                  |  |
| 15.....    | Dorchester ave.....                              | 2,843                  |  |
| 16.....    | River st., Dor. Dist.....                        | 12,736                 | Ladder Truck 6 in this building.         |
| 17.....    | Meeting House Hill, D. D.....                    | 9,450                  | Ladder Truck house on this lot.          |
| 18.....    | Harvard st., Dor. Dist.....                      | 9,440                  |  |
| 19.....    | Norfolk st., Dor. Dist.....                      | 7,683                  |  |
| 20.....    | Walnut st.....                                   | 9,000                  |  |
| 21.....    | Boston st., Dor. Dist.....                       | 9,355                  |  |
| 22.....    | Dartmouth st.....                                | 4,463                  |  |
| 23.....    | Northampton st.....                              | 3,445                  |  |
| 24.....    | Cor. Warren & Quincy sts.,                       | 4,186                  |  |
| 25.....    | Fort Hill sq.....                                | 4,175                  | Ladder Trucks 8 and 14 in this building. |
| 26-35..    | Mason st.....                                    | 5,623                  |  |
| 27.....    | Elm st., Charlestown.....                        | 2,600                  |  |
| 28.....    | Centre st., West Roxbury.....                    | 10,377                 | Ladder Truck 10 in this building.        |
| 29.....    | Chestnut Hill av., Brighton                      | 14,358                 | Ladder Truck 11 in this building.        |
| 30.....    | Mt. Vernon st., W. Roxbury                       | 16,275                 |  |
| 32.....    | Bunker Hill st.....                              | 8,188                  |  |
| 33.....    | Boylston st.....                                 | 5,646                  | Ladder Truck 15 in this building.        |
| 34.....    | Western ave., Brighton.....                      | 4,637                  |  |
| 36.....    | Monument st.....                                 | 5,668                  | Combination 5 in this building.          |
| 37.....    | Cor. Longwood and Brookline aves.....            | 5,440                  | Chemical Engine No. 3 in this building.  |
| 38-39..    | Congress st.....                                 | 4,090                  |  |
| 40.....    | Sumner st.....                                   | 4,010                  |  |
| 41.....    | Harvard ave., Brighton.....                      | 6,112                  | Chemical Engine No. 6 in this building.  |
| 42.....    | Washington st. bet. Atherton and Beethoven sts.. | 3,848                  | Chemical Engine No. 5 in this building.  |
| 43.....    | Andrew sq.....                                   | 5,133                  | Combination 3 in this building.          |
| 45.....    | Washington st., W. R.....                        | 14,729                 | Ladder Truck No. 16 in this house.       |

## CHEMICAL ENGINE-HOUSES.

|            | Location.                | No. of feet<br>in lot. | Remarks. |
|------------|--------------------------|------------------------|----------|
| No. 2..... | Church st.....           | 3,412                  |          |
| 4.....     | Shawmut ave.....         | 889                    |          |
| 7.....     | Chelsea st.....          | 1,346                  |          |
| 8.....     | B st., South Boston..... | 1,804                  |          |
| 10.....    | Eustis st.....           | 1,754                  |          |
| 11.....    | North Grove st.....      | 3,918                  |          |

## COMBINATION WAGON-HOUSES.

|            | Location.           | No. of feet<br>in lot. | Remarks. |
|------------|---------------------|------------------------|----------|
| No. 1..... | Dorchester ave..... | 4,875                  |          |
| 2.....     | East Fourth st..... | 3,101                  |          |

## HOSE-HOUSE.

|            | Location.        | No. of feet<br>in lot. | Remarks.     |
|------------|------------------|------------------------|--------------|
| No. 3..... | Winthrop st..... | 3,000                  | Charlestown. |

## LADDER-HOUSES.

|            | Location.                   | No. of feet<br>in lot. | Remarks.                          |
|------------|-----------------------------|------------------------|-----------------------------------|
| No. 1..... | Friend st.....              | 1,676                  |                                   |
| 4.....     | Cor. Winslow & Dudley sts., | 3,923                  |                                   |
| 5.....     | West Fourth st.....         | 2,469                  |                                   |
| 7.....     | Meeting-House Hill.....     |                        | On lot with Engine House 17.      |
| 9.....     | Main st., Charlestown.....  | 4,290                  | Chemical Co. No. 9 in this bldg.  |
| 12.....    | Tremont st.....             | 4,350                  | Chemical Co. No. 12 in this bldg. |
| 13.....    | Washington st., near Dover, | 1,007                  |                                   |
| 17.....    | Harrison ave.....           | 2,134                  |                                   |

MISCELLANEOUS.—*Fire Department.*

|  | Location.              | No. of feet<br>in lot. | Remarks. |
|--|------------------------|------------------------|----------|
| Repair-shop.....                       | Albany st.....         |                        |          |
| Fire Department Head-<br>quarters..... | Bristol st.....        | 23,663                 |          |
| Fuel-house.....                        | Salem st.....          | 417                    |          |
| Fuel-house.....                        | Main st., Charlesto'n, | 2,430                  |          |
| Lot for ladder-house....               | Washington st., Dor.,  | 6,874                  |          |
| Fuel-house.....                        | Dorchester st.....     | 1,610                  |          |
| Lot for engine-house...                | Centre st., W. Rox...  | 12,251                 |          |

City Scales, located as follows, viz.:

North Scales, Haymarket square.

South Scales, City stables, yard, Albany street.

South Boston Scales, Foundry street and Dorchester ave-  
nue.

Roxbury Scales, Eustis and Mall streets.

Brighton Scales, Rockland street, off Washington street.

East Boston Scales, Liverpool street.

West Roxbury Scales, Centre and La Grange streets.

Jamaica Plain Scales, Centre street and Starr lane.

City Pound, located as follows, viz.:

East Boston, Ashley avenue.

## SCHOOL-HOUSES.

| NAME.            | Grade of<br>School. | Location.        | No. feet<br>in lot. | When<br>built. | No. of<br>Rooms. | Remarks.                           |
|------------------|---------------------|------------------|---------------------|----------------|------------------|------------------------------------|
| Abby W. May ..   | Pr.                 | Thornton st., R. | 11,052              | 1893           | 6                |                                    |
| Aberdeen .....   | Pr.                 | Chiswick road..  | 25,000              | 1897           | 2                |                                    |
| Adams .....      | Gr.                 | Sumner st., E.B. | 21,000              | 1856           | 13 and hall.     |                                    |
| Adams st.....    | Pr.                 | Dorchester.....  | 44,555              | 1861           | 2                |                                    |
| Agassiz .....    | Gr.                 | Brewer st., W.R. | 42,244              | 1893           | 12 and hall.     | Old Agassiz School<br>on this lot. |
| Andrews .....    | Pr.                 | Genesee st.....  | 19,761              | 1896           | 9                |                                    |
| Appleton st..... | "                   | Appleton st..... | 18,454              | 1870           | 12               |                                    |

SCHOOL-HOUSES.—*Continued.*

| NAME.                         | Grade of School. | Location.                    | No. feet in lot. | When built. | No. of Rooms. | Remarks.                          |
|-------------------------------|------------------|------------------------------|------------------|-------------|---------------|-----------------------------------|
| Atherton st.....              | Pr.              | Columbia st., Dor. Dist....  | 25,087           | 1872        | 8             |                                   |
| Auburn .....                  | "                | School st., Br...            | 12,340           | .....       | 4             |                                   |
| Bailey st.....                | "                | Dorchester.....              | 21,838           | 1880        | 4             |                                   |
| Baker st.....                 | "                | West Roxbury.                | 10,464           | .....       | 1             |                                   |
| Baldwin.....                  | "                | Chardon court..              | 6,133            | 1864        | 6             |                                   |
| Bartlett st.....              | "                | Bartlett st., R...           | 7,627            | 1846        | 6             |                                   |
| Benj. F. Tweed..              | "                | Cambridge st., Chn.....      | 16,727           | 1892        | 6             |                                   |
| Benjamin Pope ..              | "                | O st., S. B. ....            | 20,000           | 1883        | 8             |                                   |
| Bennett .....                 | Gr.              | Chestn't Hill av. Br. ....   | 26,648           | 1874        | 7 and hall.   |                                   |
| Bennett Branch.               | "                | Dight'n pl., Br..            | 9,605            | 1886        | 6             |                                   |
| Bigelow.....                  | "                | West Fourth st., S. B. ....  | 21,958           | 1850        | 14 and hall.  |                                   |
| Blackinton.....               | Pr.              | Leyden st., E.B.             | 29,166           | 1892        | 6 and hall.   |                                   |
| B o n H o m m e Richard ..... | "                | Meeting-House Hill, D. D.... | .....            | 1895        | 1             | On lot with Mather school-house.  |
| Bowditch.....                 | Gr.              | Green st., J. P..            | 23,655           | 1891        | 12 and hall.  |                                   |
| Bowdoin.....                  | "                | Myrtle st. ....              | 10,777           | 1895        | 16 and hall.  |                                   |
| Brighton High..               | H.               | Cambridge st...              | 41,871           | 1895        | 17 & 2 halls. |                                   |
| Brimmer.....                  | Gr.              | Common st....                | 11,401           | 1843        | 14 and hall.  |                                   |
| Bunker Hill.....              | "                | Baldwin st., Ch.)            |                  |             | 14 and hall.  |                                   |
| Bunker Hill.....              | Pr.              | Bunker Hill st. {            | 19,660           | .....       | { 8           | Ward-room 4 in this building,     |
| Canterbury st... ..           | "                | West Roxbury                 | 20,121           | .....       | 2             |                                   |
| Capen .....                   | "                | East Sixth st., S. B. ....   | 12,354           | 1871        | 6             |                                   |
| Chapman.....                  | Gr.              | Eutaw st., E. B.             | 20,500           | 1850        | 13 and hall.  | Ward-room 1 in this building.     |
| Chapman an- nex .....         | Pr. & MT         | " " "                        | .....            | 1896        | 2             | In the Chapman school-house yard. |
| Charlest'n High,              | H.               | Monum't sq., Ch.             | 10,247           | .....       | 10 and hall.  |                                   |
| Chas. C. Perkins,             | Pr.              | St. Botolph st...            | 16,000           | 1891        | 8 and hall.   |                                   |
| Charles Sumner, Gr.           |                  | Ashland st., W.R.            | 30,000           | 1877        | 10 and hall.  |                                   |
| Chauncey pl.....              |                  | Charlestown....              | 7,410            | .....       | 1             | Stable on this lot.               |
| Chestnut ave....              | Pr.              | West Roxbury..               | 13,733           | .....       | 2             |                                   |
| Choate Burnh'm,               | "                | East Third st., S. B. ....   | 17,136           | 1894        | 8             |                                   |
| Christo'r Gibson,             | Gr.              | Mt. Bowdoin, Dor. Dist....   | 39,620           | 1895        | 14 and hall.  |                                   |

## SCHOOL-HOUSES.—Continued.

| NAME.             | Grade of School. | Location.                       | No. feet in lot. | When built. | No. of Rooms. | Remarks.   |
|-------------------|------------------|---------------------------------|------------------|-------------|---------------|--|
| Clinch .....      | Pr.              | F st., S. B. ....               | 13,492           | 1871        | 6             |  |
| Comins.....       | Gr.              | Tremont st., Rox. ....          | 22,169           | 1856        | 13 and hall.  |  |
| Common st. ....   | Pr.              | Charlestown ...                 | 7,001            | .....       | 6             |  |
| Cook.....         | "                | Groton st. ....                 | 10,170           | 1852        | 6             |  |
| Cottage pl. ....  | Kg.              | Highlands....                   | 7,094            | 1859        | 4             |  |
| Cross st. ....    | Pr.              | Charlestown....                 | 1,708            | .....       | 2             |  |
| Cudworth.....     | "                | Paris and Gove sts., E. B. .... | 25,000           | 1894        | 11            |  |
| Cushman.....      | "                | Parmenter st. ....              | .....            | 1867        | 16            |  |
| Cyrus Alger.....  | "                | W. Seventh st., S. R. ....      | 16,560           | 1880        | 8             |  |
| Dearborn .....    | Gr.              | Dearborn court, Rox. ....       | 36,926           | 1852        | 14 and hall.  |  |
| Dillaway .....    | "                | Kenilworth st., Rox. ....       | 22,824           | 1882        | 12 and hall.  |  |
| Dorchester ave..  | Pr.              | Dorchester ave., Ward 24 .....  | 34,460           | .....       | 4             |  |
| Dorchester High,  | H.               | Dorchester ave., Ward 20.....   | 59,340           | 1870        | 8             |  |
| Drake .....       | Pr.              | C st., S. B. ....               | 10,260           | 1869        | 6             |  |
| Dudley.....       | Gr.              | Dudley st., Rox.                | 26,339           | 1874        | 14 and hall.  |  |
| Dwight.....       | "                | W. Springfi'd st.               | 19,125           | 1857        | 14 and hall.  |  |
| E. Boston High .. | H.               | Meridian st., E. B. ....        | 13,616           | 1846        | 6 and hall.   | Library and court-room in this building.             |
| Edward Everett,   | Gr.              | Sumner st., Ward 20 .....       | 33,890           | 1876        | 10 and hall.  | Old Everett school-house on this lot.                |
| Eliot.....        | "                | N. Bennet st. ....              | 11,077           | 1838        | 14 and hall.  |  |
| Emerson.....      | "                | Prescott st., E. B. ....        | 39,952           | 1865        | 16 and hall.  |  |
| Emerson.....      | Pr.              | Poplar st., W.E.                | 5,924            | 1861        | 6             |  |
| English High....  | H.               | Montgomery st.                  | 85,560           | 1877        | 39 & 2 halls. | South End Branch of Public Library in this building. |
| Eustis st. ....   | Pr.              | Roxbury.....                    | 16,165           | 1895        | 6             |  |
| Everett.....      | Gr.              | Camden st. ....                 | 32,409           | 1860        | 14 and hall.  |  |
| Everett.....      | Pr.              | Brentwood st., Br. ....         | 44,237           | .....       | 2             |  |
| Florence st. .... | "                | Florence st., W. R. ....        | 25,030           | .....       | 6             | Addition built 1890.                                 |
| Franklin.....     | Gr.              | Ringgold st. ....               | 16,439           | 1859        | 14 and hall.  |  |
| Freeman .....     | Pr.              | Charter st ,W.E.                | 5,247            | 1868        | 6             |  |

SCHOOL-HOUSES. — *Continued.*

| NAME.                       | Grade of School | Location.                        | No. feet in lot. | When built. | No. of Rooms. | Remarks.  |
|-----------------------------|-----------------|----------------------------------|------------------|-------------|---------------|---|
| Frothingham....             | Gr.             | Prospect st., Charlestown..      | 22,079           | 1874        | 16 and hall.  |   |
| Gaston .....                | "               | East Fifth, cor. L st., S.B..... | 35,358           | 1872        | 14 and hall.  |   |
| George Putnam,              | "               | Columbus ave., Egleston sq...    | 31,784           | 1880        | 10 and hall.  |   |
| George st.....              | Pr.             | Highlands .....                  | 18,894           | 1861        | 6             |   |
| Girls' High.....            | H.              | West Newton st.....              | 30,454           | 1870        | 66 and hall.  | The number of rooms include those for recitation and apparatus. |
| Girls' Latin .....          | L.              |                                  |                  |             |               |   |
| Gilbert Stuart...           | Gr.             | Richmond st., Dor. Dist.....     | 30,128           | 1896        | 14 and hall.  |   |
| Glenway .....               | Pr.             | Ward 20.....                     | 25,827           | 1880        | 2             |   |
| Grant .....                 | Gr.             | Phillips st., West End....       | 3,744            | 1852        | 4             |   |
| Hancock .....               | "               | Parmenter st., North End ...     | 31,998           | 1847        | 14 and hall.  | Cushman school-house on this lot.                               |
| Harbor View st.,            | Pr.             | Dorchester.....                  | 27,808           | 1883        | 4             |   |
| Harris.....                 | Gr.             | Adams st., Ward 24.....          | 37,150           | 1861        | 8 and hall.   | Little Emily school-house on this lot.                          |
| Harvard .....               | "               | Devens st., Ch..                 | 16,306           | .....       | 14 and hall.  |   |
| Harvard .....               | Pr.             | N. Harvard st., Brighton.....    | 20,750           | .....       | 4             |   |
| Harvard Hill....            | "               | Harvard st., Ch.                 | 4,645            | .....       | 8             |   |
| Hawes Hall.....             | "               | W. Broadway, So. Boston ...      | 16,647           | 1823        | 8             |   |
| Heath st.....               | "               | Highlands .....                  | 10,669           | 1857        | 2             |   |
| Henry L. Pierce,            | Gr.             | Washington st., Ward 24.....     | 64,439           | 1891        | 12 and hall.  |   |
| Hillside .....              | Pr.             | Elm st., J. P....                | 18,613           | .....       | 6             |   |
| Hobart st.....              | "               | Brighton .....                   | 10,000           | 1884        | 2             |   |
| Horace Mann...              | D.<br>M.        | Newbury st....                   | 8,400            | 1889        | 18 & 2 halls. | Simmonds school-house on this lot.                              |
| Howard ave....              | Pr.             |                                  |                  |             |               |   |
| Howard ave. an-<br>nex..... | "               | Howard ave., Dor. Dist....       | .....            | 1896        | 2             |   |
| Howe .....                  | "               | West Fifth st., So. Boston ...   | 12,494           | 1874        | 8             |   |
| Hugh O'Brien ..             | Gr.             | Dudley st. Rox..                 | 40,554           | 1887        | 14 and hall.  |   |
| Hugh O'Brien<br>annex ..... | "               | " " "                            | .....            | 1896        | 2             | On lot with Hugh O'Brien school-house.                          |

## SCHOOL-HOUSES.—Continued.

| NAME.             | Grade of School. | Location.                        | No. feet in lot. | When built. | No. of Rooms. | Remarks.   |
|-------------------|------------------|----------------------------------|------------------|-------------|---------------|--|
| Hyde .....        | Gr.              | Hammond st., Roxbury ....        | 20,754           | 1884        | 14 and hall.  |  |
| Ingraham .....    | Pr.              | Sheafe st., N.E.,                | 2,354            | 1848        | 3             |  |
| Ira Allen .....   | "                | Leon st., Rox...<br>Boston,      | 10,057           | 1851        | 4             |  |
| John A. Andrew,   | Gr.              | Dorchester st., South Boston,    | 24,889           | 1876        | 16 and hall.  |  |
| Joshua Bates....  | Pr.              | Harrison ave...                  | 15,237           | 1884        | 8             |  |
| Lawrence.....     | Gr.              | B and W. Third sts., S. B. ....  | 14,343           | 1856        | 14 and hall.  |  |
| Lewis .....       | "                | Sherman st., Roxbury ....        | 27,850           | 1868        | 12 and hall.  |  |
| Lincoln .....     | "                | East Broadway,<br>South Boston.  | 24,500           | 1859        | 14 and hall.  |  |
| Little Emily....  | Pr.              | Adams st., Dor. ....             |                  | 1895        | 1             | On lot with Harris school-house.   |
| Longfellow .....  | Gr.              | Hewlett, W. R..                  | 21,679           | 1897        | 10 and hall.  |  |
| Lowell .....      | "                | Centre st., Rox.                 | 35,241           | 1874        | 14 and hall.  |  |
| Lowell annex ..   | "                | Mozart st., Rox.                 | .....            | 1896        | 2             |  |
| Lucretia Crocker  | Pr.              | Parker st., Rox.                 | 30,000           | 1884        | 8             |  |
| Lyceum Hall       | "                | Meeting-House Hill, Dor. ....    | 21,319           | ....        | 6             |  |
| Lyman.....        | Gr.              | Paris st., E. B..                | 26,200           | 1870        | 14 and hall.  | Rebuilt, 1872.   |
| Margaret Fuller,  | Pr.              | Glen Road,<br>Jamaica Plain      | 14,252           | 1892        | 6             |  |
| Martin .....      | Gr.              | Huntington av.                   | 28,307           | 1885        | 14 and hall.  |  |
| Mary Hemenway     | "                | Adams st., D. D.                 | 30,000           | 1897        | 13 and hall.  |  |
| Mather .....      | "                | Meeting-House Hill, Dor. ....    | 123,050          | 1872        | 10 and hall.  | Old Mather and Bon Homme Richard school-houses on this lot, also Ward-room 20. |
| Mather .....      | Pr.              | W. Broadway,<br>South Boston,    | 10,160           | 1842        | 12            |  |
| Mayflower .....   | C.<br>S.         | ) Harbor View<br>st., Dor. Dist. | .....            | 1895        | 1             | On lot with Harbor View-st. school-house.                                      |
| Mayhew.....       | Pr.              | Chamber st., West End ....       | 14,128           | 1897        | 14            |  |
| Mead st.....      | "                | Charlestown ...                  | 5,857            | 1847        | 4             |  |
| Mechanic Arts..   | H.               | Belvidere st,<br>Back Bay ....   | 22,881           | 1893        | 16            | The number of rooms includes one used as a blacksmith shop.                    |
| Medford street..  | Pr.              | Charlestown ...                  | 12,112           | 1886        | 4             |  |
| Minot .....       | Gr.              | Neponset ave., Dor. Dist. ....   | 31,500           | 1885        | 7 and hall.   |  |
| Mt. Pleasant av., | Pr.              | Highlands.....                   | 9,510            | 1847        | 2             |  |

SCHOOL-HOUSES.—*Continued.*

| NAME.                      | Grade of School. | Location.                             | No. feet in lot. | When built | No. of Rooms. | Remarks.                             |
|----------------------------|------------------|---------------------------------------|------------------|------------|---------------|--------------------------------------|
| Morton st.....             | Pr.              | Dorchester.....                       | 21,115           | 1895       | 4             |                                      |
| Mount Vernon..             | "                | Mt. Vernon st., Ward 23, W. R.,       | 22,744           | ....       | 4 and hall.   |                                      |
| Munroe st.....             | "                | Highlands.....                        | 18,021           | 1854       | 2             |                                      |
| Munroe-st.ann'x            | "                | Bower st., Rox.,                      | .....            | 1897       | 1             | On lot with Munroe-st. school-house. |
| Noble.....                 | "                | Princeton st., East Boston..          | 17,500           | 1874       | 8             |                                      |
| Norcross .....             | Gr.              | D st., S. B.....                      | 12,075           | 1868       | 14 and hall.  |                                      |
| N. Margin.....             | L.<br>M.         | { N. Margin st.,<br>North End ..      | 1,061            | 1837       | 2             |                                      |
| Old Oak sq.....            | .....            | Brighton .....                        | 9,796            | .....      | 2             | Unoccupied.                          |
| Oak sq.....                | Pr.              | Nonantum st...<br>Old Agassiz.....    | 20,000           | 1894       | 2             |                                      |
| Old Agassiz.....           | "                | Burroughs st., J. P.                  | .....            | .....      | 6             | On lot with Agassiz School.          |
| Old Brighton<br>High ..... | .....            | Chestnut Hill ave., Br.....           | 54,448           | .....      | 5 and hall.   | Unoccupied.                          |
| Old Everett .....          | Pr.              | Willis st., D. D.,                    | .....            | 1855       | 7             | On lot with Edw. Everett.            |
| Old Gibson.....            | "                | School st., Ward 20.....              | 53,398           | 1857       | 6             |                                      |
| Old Mather.....            | "                | Meeting-House Hill, Dor. ....         | .....            | 1856       | 6             | On lot with Mather school-house.     |
| Old Roxbury<br>High .....  | Kgt              | Kenilworth st., Roxbury .....         | 6,990            | 1861       | 8             |                                      |
| Parkman.....               | .....            | Silver st., S. B..                    | 5,306            | 1848       | 6             | Unoccupied.                          |
| Phillips .....             | Gr.              | Phillips st., West End ....           | 11,190           | 1862       | 14 and hall.  |                                      |
| Phillips st.....           | Pr.              | Highlands .....                       | 20,355           | 1867       | 8             |                                      |
| Phineas Bates..            | Gr.<br>Pr.       | { Beech st.,<br>W. Roxbury .          | 37,500           | 1896       | 4             |                                      |
| Pierpont .....             | MT               | Hudson st.....                        | 4,216            | 1850       | 1             | Ward-room 7 in this building.        |
| Plummer .....              | Pr.              | Lamson and Sumner sts., East Boston.. | 35,073           | 1891       | 10 and hall.  |                                      |
| Polk st.....               | "                | Charlestown ...                       | 12,143           | 1878       | 6             |                                      |
| Poplar st.....             | "                | West Roxbury.                         | 7,842            | .....      | 1             | Unoccupied.                          |
| Pormort.....               | Pr.              | Snelling place, West End ....         | 4,373            | 1855       | 6             |                                      |
| Prescott .....             | Gr.              | Elm st., Charles-town .....           | 16,269           | .....      | 10 and hall.  |                                      |
| Prescott annex.            | MT               | Elm st., Charles-town .....           | .....            | 1896       | 1             | On lot with Prescott School.         |

SCHOOL-HOUSES.—*Continued.*

| NAME.                       | Grade of School. | Location.                        | No. feet in lot. | When built. | No. of Rooms. | Remarks.   |
|-----------------------------|------------------|----------------------------------|------------------|-------------|---------------|--|
| Prince.....                 | Gr.              | Newbury st.....                  | 22,960           | 1875        | 12 and hall.  | Ward-room 11 in this building.   |
| Public Latin....            | L.               | Warren ave....                   | .....            | 1877        | 39 and hall.  | On lot with English High School.   |
| Quincey .....               | Gr.              | Tyler st.....                    | 12,413           | 1847        | 14 and hall.  |  |
| Quincey st.....             | Pr.              | Dorchester .....                 | 20,000           | 1882        | 2             |  |
| Quincey st.....             | "                | Highlands.....                   | 23,453           | 1875        | 8             |  |
| Rice .....                  | Gr.              | Dartmouth st...                  | 27,125           | 1869        | 14 and hall.  | Normal and Rice Training Schools in this building and Ward-room 10 in this building. |
| Robinson st.....            | Pr.              | Dorchester .....                 | 25,032           | 1897        | 8             |  |
| Robert G. Shaw.             | Gr.              | Hastings st., W. Roxbury .       | 40,000           | 1892        | 8 and hall.   |  |
| Roger Clap.....             | "                | Harvest st., Dor. Dist.....      | 21,548           | 1896        | 10 and hall.  |  |
| Roxbury High ..             | H.               | Warren st.....                   | 25,617           | 1891        | 19 and hall.  |  |
| Roxbury st.....             | Pr.              | Highlands .....                  | 14,147           | 1874        | 8             |  |
| Rutland st.....             | "                | Rutland st.....                  | 7,850            | 1851        | 6             |  |
| Savin Hill.....             | "                | Savin Hill ave., Dor. Dist. .... | 20,060           | 1884        | 2             |  |
| Sharp .....                 | "                | Anderson st.....                 | 5,887            | 1824        | 6             |  |
| Sherwin.....                | Gr.              | Madison sq., Roxbury .....       | 32,040           | 1870        | 16 and hall.  |  |
| Shurtleff .....             | "                | Dorchester st...                 | 40,553           | 1869        | 14 and hall.  |  |
| Simonds .....               | Pr.              | W. Broadway, South Boston.       | .....            | 1840        | 3             | On Hawes school-house lot.   |
| Skinner .....               | "                | Fayette st.....                  | 5,238            | 1870        | 6             |  |
| Smith st .....              | Kg.              | Roxbury .....                    | 6,952            | 1849        | 2             |  |
| Somerset st.....            | Pr.              | Ward 6.....                      | 6,300            | 1824        | 4             |  |
| Stephen M. Weld,            | "                | Canterbury st., W. Roxbury..     | 34,266           | 1895        | 6             |  |
| Stoughton .....             | "                | River st , Lower Mills .....     | 29,725           | 1856        | 8             |  |
| Tappan .....                | "                | Lexington st., East Boston..     | 11,500           | .....       | 8             |  |
| Thetford st.....            | "                | Dorchester .....                 | 29,879           | 1875        | 8             |  |
| Thomas N. Hart,             | Gr.              | East Fifth st., South Boston,    | 26,264           | 1889        | 13 and hall.  |  |
| Thomas N. Hart, annex ..... | Kg.              | H st., S. B.....                 | 11,477           | 1895        | 2             |  |
| Ticknor .....               | Pr.              | Dorchester st., South Boston,    | 11,486           | 1865        | 12            |  |

SCHOOL-HOUSES. — *Concluded.*

| NAME.                           | Grade of School. | Location.                      | No. feet in lot. | When built. | No. of Rooms.             | Remarks.                       |
|---------------------------------|------------------|--------------------------------|------------------|-------------|---------------------------|--------------------------------|
| Tileston .....                  | Gr.              | Norfolk st., Ward 24.....      | 83,640           | 1868        | 8 and hall.               |                                |
| Tuckerman .....                 | Pr.              | East Fourth st., South Boston, | 11,655           | 1850        | 6                         |                                |
| Tyler st.....                   | "                | Tyler st.....                  | 3,900            | 1855        | 6                         |                                |
| Union st.....                   | "                | Brighton .....                 | 67,280           | .....       | 2                         |                                |
| Vernon st.....                  | "                | Highlands .....                | 17,256           | 1897        | 10                        |                                |
| Wait .....                      | "                | Shawmut ave...                 | 16,341           | 1860        | 8                         |                                |
| Walnut st.....                  | "                | Neponset, D.D.,                | 22,790           | 1856        | 7                         |                                |
| Ware .....                      | Gr.              | N. Bennet st....               | 6,439            | 1852        | 4                         | Ward-room 6 in this building.  |
| Warren .....                    | "                | Summer st., Ch.,               | 14,322           | .....       | 14 and hall.              |                                |
| Washington All-ston .....       | "                | Cambridge st., Brighton .....  | 22,000           | 1878        | 10 and hall.              |                                |
| Washington All-ston annex ..... | "                | Cambridge st., Brighton .....  | 11,477           | .....       | 3                         |                                |
| Washington st...                | Pr.              | Forest Hills....               | 24,010           | .....       | 2                         |                                |
| Washington st...                | "                | Germantown, W. R.....          | 18,130           | .....       | 2                         |                                |
| Way st.....                     | "                | Ward 9 .....                   | 2,508            | 1850        | 3                         |                                |
| Webster .....                   | "                | Webster av., Br.,              | 19,761           | .....       | 4                         | Addition built in 1885.        |
| Wells .....                     | Gr.              | Blossom st., West End ....     | 10,770           | 1868        | 12 and hall.              |                                |
| West Concord st.                | Pr.              | W. Concord st..                | 10,756           | 1845        | 10                        | Ward-room 12 in this building. |
| West Roxbury High.....          | H.               | Elm st., W. R...               | 47,901           | .....       | 6                         |                                |
| Weston st.....                  | Pr.              | Highlands.....                 | 14,973           | 1877        | 8                         |                                |
| Williams.....                   | "                | Homestead st., Roxbury.....    | 26,145           | 1892        | 4                         |                                |
| William H. Kent,                | "                | Moulton st., Chn.              | 15,817           | 1895        | 6                         |                                |
| William Wirt Warren.....        | "                | Waverley st., Br.              | 27,137           | 1892        | 6 and ball.               |                                |
| Winchell .....                  | "                | Blossom st.....                | 14,465           | 1885        | 12                        |                                |
| Winship.....                    | "                | Dighton pl., Br.               | 34,366           | .....       | 4                         |                                |
| Winthrop .....                  | Gr.              | Tremont st.....                | 16,100           | 1855        | 14 and hall.              |                                |
| Winthrop st....                 | Pr.              | Highlands.....                 | 9,775            | 1857        | 4                         |                                |
| Wyman .....                     | "                | Wyman st., J.P.                | 30,414           | 1892        | 6                         |                                |
| Yeoman st.....                  | "                | Highlands.....                 | 18,200           | 1870        | 12                        |                                |
| School Committee Building...    | ....             | Mason st.....                  | 7,148            | .....       | 10 and committee chamber. |                                |

Gr., Grammar; Pr., Primary; H., High; Kgt., Kindergarten; L., Latin; D. M., Deaf Mutes; N. & T., Normal and Training; L. M., Licensed Minors; M. T., Manual Training; C. S., Cooking School.

The following lots of land have been bought for school purposes, amounting to 283,357 sq. feet of land.

Adams and Chestnut streets, 20,399 sq. feet of land.

Baker street, W. R., 21,000 sq. feet of land.

Centre street, Dorchester, 60,000 sq. feet of land.

North Bennet street and Prince street, 18,986 sq. feet of land.

Walk Hill street, 30,000 sq. feet of land.

Paul Gore street, 32,346 sq. feet of land.

Marion street, 27,500 sq. feet of land.

Thomas Park, 52,926 sq. feet of land.

School street, Egleston square, 20,200 sq. feet of land.

#### HIRED BUILDINGS.

In addition to the foregoing the following rooms have been hired for school purposes. Rent and taxes paid for the same during the year amounted to \$25,815.62 :

| Name.                                   | Location.   | Remarks.   |
|---|---|--|
| Kindergarten .....                      | 7 Byron court, Roxbury.....                         | Rent, \$360 per annum.                                 |
| Wise Hall.....                          | South st., Roslindale.....                          | Rent, \$1,200 per annum.                               |
| Wise Building.....                      | Poplar st., Roslindale.....                         | " \$1,000      "(Vacated Oct. 1, 1897.)                |
| Wise Building Stores.....               | Poplar st., Roslindale.....                         | Rent, \$480 per annum.<br>(Vacated Oct. 1, 1897.)      |
| Wells Branch.....                       | Chambers st.....                                    | Rent, \$800 per annum.<br>(One-half cost of gas used.) |
| Manual Training School..                | Eliot st., Jamaica Plain.....                       | Rent, \$300 per annum.                                 |
| Day's Chapel.....                       | Parker st., Roxbury.....                            | " \$350      "   |
| East Boston Evening Drawing School..... | Stevenson's Block, E. B.....                        | " \$940      "   |
| Manual Training School..                | E st., South Boston .....                           | " \$1,900      "                                       |
| Charles Sumner Branch..                 | Church, Roslindale .....                            | " \$850      "<br>(Vacated Oct. 1, 1897.)              |
| Kindergarten .....                      | Unity Chapel, Washington Village, South Boston..... | Rent, \$300 per annum.                                 |
| Kindergarten .....                      | Kettelle building, 34 Adams st., Dorchester.....    | Rent, \$540 per annum.<br>(Water-rates.)               |
| Edward Everett Branch..                 | Athenaeum building, Cottage st., Dorchester.....    | Rent, \$800 per annum.<br>(Vacated July 1, 1897.)      |
| Hancock Branch.....                     | North End Union, 20 Parmenter st.....               | Rent, \$2,300 per annum.                               |
| Kindergarten .....                      | 32 Parmenter st. ....                               | " \$500      "   |
| Lowell Branch.....                      | Workingmen's building, Centre st., Roxbury.....     | " \$600      "   |

HIRED BUILDINGS.—*Concluded.*

| Name.                                   | Location.                                    | Remarks.   |
|---|--|--|
| East Boston High School Drill Hall..... | E. B. Athletic Ass'n building, Paris st..... | Rent, \$520 per annum.<br>(Vacated March 1, 1897.) |
| Hancock Branch.....                     | Lewis block, 115 and 121 Salem st.....       | Rent, \$1,200 per annum.                           |
| Kindergarten .....                      | 65 George st., Roxbury.....                  | " \$360 "  |
| Primary School.....                     | 31 North Russell st.....                     | " \$1,800 "  |
| Kindergarten .....                      | Centre-st. Church, Jamaica Plain .....       | " \$500 "  |
| Kindergarten .....                      | Trenton st., E.B.....                        | " \$600 "  |
| Maverick Chapel.....                    | Bennington st.....                           | Rent, \$672 per annum,<br>including heating.       |
| Kindergarten .....                      | East Fourth st.....                          | Rent, \$480 per annum.                             |
| Primary and Grammar Classes .....       | Moon st.....                                 | " \$5,400 "  |
| Vernon-st. School.....                  | Putnam Chapel.....                           | Rent, \$240 per annum.<br>(Vacated March 1, 1897.) |
| Carey Hall.....                         | Clarendon Hills.....                         | Rent, \$500 per annum.<br>(Vacated April 1, 1897.) |
| Primary School.....                     | 242 Bennington st.....                       | Rent, \$480 per annum.                             |
| Kindergarten .....                      | 166 Lauriat ave.....                         | " \$180 "  |
| Primary School.....                     | Greenwood Hall.....                          | " \$720 "  |
| Primary School.....                     | 38 Chambers st.....                          | " \$600 "  |
| Kindergarten .....                      | Boylston Chapel.....                         | " \$300 "  |
| Primary School.....                     | 341 Centre st.....                           | " \$480 "  |
| Kindergarten .....                      | 370 Warren st.....                           | " \$600 "  |
| Primary School.....                     | 484 East Fourth st.....                      | " \$400 "  |
| Primary School.....                     | Washington st., Dor. Dist...                 | " \$360 "  |
| Evening Drawing School,                 | 147 Columbus ave.....                        | " \$1,300 "  |
| Kindergarten .....                      | 766 Huntington ave.....                      | " \$780 "  |

## WARD-ROOMS.

The following list will show the location of the various ward-rooms in this city:

| Ward.   | Buildings.                            | Location.                         |
|---------|---------------------------------------|-----------------------------------|
| 1.....  | Chapman school-house.....             | Eutaw street.                     |
| 2.....  | Armory building.....                  | Maverick street.                  |
| 3.....  | Old Winthrop school-house.....        | Bunker Hill street, Charlestown.  |
| 4.....  | Bunker Hill Grammar school-house..... | Baldwin street, Charlestown.      |
| 5.....  | Harvard Grammar school-house.....     | Devens street, Charlestown.       |
| 6.....  | Ware Primary school-house.....        | North Bennet street.              |
| 7.....  | Pierpont school-house.....            | Hudson street.                    |
| 8.....  | Wells school-house.....               | Blossom street.                   |
| 9.....  | Old Franklin school-house.....        | Washington street.                |
| 10..... | Rice school-house.....                | Appleton street.                  |
| 11..... | Prince school-house.....              | Exeter street.                    |
| 12..... | School-house.....                     | West Concord street.              |
| 13..... | Spellman Hall.....                    | West Broadway.                    |
| 14..... | Gray's Hall.....                      | East Broadway.                    |
| 15..... | Court-room, South Boston.....         | Dorchester and W. Fourth streets. |
| 16..... | Winthrop Hall.....                    | Upham's Corner.                   |
| 17..... | Old church building.....              | Dudley street.                    |
| 18..... | Old bath-house .....                  | Cabot street.                     |
| 19..... | Old pumping-station.....              | Elmwood street.                   |
| 20..... | Ward-room building.....               | Meeting-House Hill.               |
| 21..... | Dudley-street Opera House .....       | Dudley street.                    |
| 22..... | Tomfohrde Hall .....                  | Boylston Station.                 |
| 23..... | Minton Hall .....                     | Forest Hills Station.             |
| 24..... | Dorchester Hall .....                 | Field's Corner, Dorchester.       |
| 25..... | Old Town Hall.....                    | Washington street, Brighton.      |







